

From gsantacana at gmail.com Sat Aug 1 00:51:01 2015
From: gsantacana at gmail.com (Guido Santacana)
Date: Sat, 1 Aug 2015 00:51:01 -0400
Subject: [BoatAnchors] SX-28 Audio
In-Reply-To: <55BC0260.9020506@ix.netcom.com>
References: <20150731173119.PELJG.276458.root@cdptpa-web20>
<0989576B-3E4C-4AA3-9B70-69DE47D97F61@gmail.com>
<55BC0260.9020506@ix.netcom.com>
Message-ID: <BB92745D-D85B-4FAE-8381-4E5DD23097F9@gmail.com>

The S40 that I have has lower sensitivity than the S20r. I may have misaligned probably at the level of the oscillator. The S20r was doing fine until I had to replace T3. I took the new T3 from a junker set. This new T3 aligns ok but somehow the S20r lost sensitivity. The old T3 just opened up one day. The S20r as well as the S40 are both fully recapped. Both suffer from low sens on the upper bands but that's not rare for this level of receiver.

On the SX28 I have been using the 6AC7 "mod" with good results in upper bands.

73s

Guido KP4FAR

Sent from my iPad

On Jul 31, 2015, at 7:18 PM, Richard Knoppow via BoatAnchors <boatanchors at theporch.com> wrote:

> How are you measuring sensitivity? Also note that both receivers lack something on the highest band. The S40 has a much better RF tube and should be fairly respectable on the highest band. Remember that on the highest band the local oscillator is tuned below the signal, not above it as on the other bands.
> The S-20R is the same way but has a poorer tube for the RF. There are also probably differences in the coil losses between the two. Most cheaper all band receivers do poorly above about 20 mhz.

>

> On 7/31/2015 3:07 PM, Guido Santacana via BoatAnchors wrote:

>>

>> The S20r and S40 have always been nice rcvrs but I have issues with their sensitivity. My S20r was working great until IF transformer T3 gave way. I replaced it but never the same again. The S40 has always been lacking in sensitivity even when aligned. Maybe I am soing something wrong. They will be back on the bench soon.

>>
>> 73s
>>
>> Guido KP4FAR
>>
>> Sent from my iPad
>>
>> On Jul 31, 2015, at 1:31 PM, <wb3fau55 at neo.rr.com> wrote:
>>
>>> Guido and the gang, lot of cool BA receivers out there. These oldies need periodic maint. along with alignment. But when you get the work all done, you got a pretty nice old rig.
>>> Not a Halli fan, but worked on a few S40s with good results. Right now need to get into my Hammarlund HQ-129X, just a bit of TLC, amazing sensitivity up to 10m. 73s Russ.
>>> ---- Guido Santacana via BoatAnchors <boatanchors at theporch.com> wrote:
>>>> Gentlemen,
>>>>
>>>> After replacing the cathode by pass resistor, a new electrolytic cap that had gone bad and both 6V6s, the circuit is running at what I would call normal heat for a pair of 6v6s in a push pull arrangement. You can keep a cup of coffee warm over them but not fry an egg. The cathode voltage dropped from 18 to 15VDC and all other pin voltages are normal.
>>>>
>>>> Since the monster was out of the cage I took the opportunity to do a general cleanup, including bandswitches, pots etc., restringing of the bandpointer and bandspread mechanisms and finally a complete realignment. In addition I found that the 5Z3 had weakened as well as the first audio amp. A bit of lubrication with synthetic motor oil in the tuning mechanism made a lot of difference.
>>>>
>>>> In the end the SX-28 is better than ever blaring out high fidelity audio with excellent sensitivity and selectivity. It had been 15 years since its arrival at the shack and complete recap. This master sample of the BA species needed some TLC.
>>>>
>>>> Thanks to all who helped with the audio problem.
>>>>
>>>> Best 73s
>>>>
>>>> Guido Santacana KP4FAR
>>>> San Juan, PR-US
>>>> In one of our worst droughts in 20 years.
>>>>
>>>> Sent from my iPad
>>>> -----
>>>> BoatAnchors mailing list
>>>> BoatAnchors at theporch.com
>>>> <https://minime.theporch.com/mailman/listinfo/boatanchors>

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>> -----
>> BoatAnchors mailing list
>> BoatAnchors at theporch.com
>> https://minime.theporch.com/mailman/listinfo/boatanchors
>>
>
> --
> Richard Knoppow
> 1oldlens1 at ix.netcom.com
> WB6KBL
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> https://minime.theporch.com/mailman/listinfo/boatanchors
```

From gumbear at pacbell.net Sat Aug 1 02:25:29 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 31 Jul 2015 23:25:29 -0700
Subject: [BoatAnchors] SX-28 Audio
In-Reply-To: <BB92745D-D85B-4FAE-8381-4E5DD23097F9@gmail.com>
References: <20150731173119.PELJG.276458.root@cdptpa-web20>
<0989576B-3E4C-4AA3-9B70-69DE47D97F61@gmail.com>
<55BC0260.9020506@ix.netcom.com>
<BB92745D-D85B-4FAE-8381-4E5DD23097F9@gmail.com>
Message-ID: <C26C7FAA1883453D8E186D41A1EA3A14@KB6NAX>

```
> .....I may have misaligned probably at the level of the oscillator.
> .....
```

AGC control of an RF amplifier is problematic. In order to achieve best weak signal sensitivity you have to align the RF and mixer stages with weak signals, signals just barely readable above of the receiver's own generated noise level. As plate current varies so does the input capacitance of the tube which causes detuning of the RF and mixer grid tanks. Tuning for maximum S meter reading will not get the job done. Aligning by the ancient modulation on/off technique is a pain in the tuchus. If you have access to a harmonic distortion analyzer and your signal generator has no more than a few percent modulation total harmonic distortion tune the RF and mixer stages for lowest RF input that will achieve 10dB or thereabouts THD. Better yet if you have a SINAD instrument.

Regarding band noise, it reduces as you go up in frequency. Below 15 MHz band noise is mostly lightning generated and man made. At 30 MHz things are much quieter and auto ignition noise is what drives people crazy because it sounds horrific against the quietness of the band. Of course with a mediocre receiver that drastically loses sensitivity above 15 MHz it's game

over.

Always remember Cecil the lion.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From 1oldlens1 at ix.netcom.com Sat Aug 1 04:14:32 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Sat, 1 Aug 2015 01:14:32 -0700
Subject: [BoatAnchors] SX-28 Audio
In-Reply-To: <0989576B-3E4C-4AA3-9B70-69DE47D97F61@gmail.com>
References: <20150731173119.PELJG.276458.root@cdptpa-web20>
<0989576B-3E4C-4AA3-9B70-69DE47D97F61@gmail.com>
Message-ID: <55BC7FE8.403@ix.netcom.com>

T-3 is the last IF transformer and drives the detector. I would go over your wiring to make sure there are no errors. If there is a problem here it will affect all bands, not just one or some.

Also, the detector in the S-20R is an old fashioned biased detector. If the bias is not right it will produce quite a bit of distortion. See the S-40A for a newer type of detector circuit that can be adapted to the S-20R. This is a grid leak type which is found almost universally in receivers built after about 1940. Its difficult to guess at problems with so little information but I would go over both receivers to check for voltages and to look for badly drifted resistors. Also, make sure if the sets have been recapped that the wiring is correct. Its easy to overlook a mistake many times. The S-40 should have better performance on the top band than the S-20R because it has a better RF and mixer tube. It won't be super hot on 10 meters but should be better than the S-20R there. Below about 20 mhz there will not be a lot of difference. Beside tubes the quality of the coils and insulators in these sets makes a significant difference. Here again I think Hallicraftes upgraded the coil formers etc, in the S-40.

On 7/31/2015 3:07 PM, Guido Santacana via BoatAnchors wrote:

>

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> Sent from my iPad

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>>> Guido Santacana KP4FAR

>>> San Juan, PR-US

>>> In one of our worst droughts in 20 years.

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>>> Sent from my iPad

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>>> BoatAnchors mailing list

>>> BoatAnchors at theporch.com
>>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From spr at earthlink.net Sat Aug 1 19:43:23 2015
From: spr at earthlink.net (Scott Robinson)
Date: Sat, 1 Aug 2015 16:43:23 -0700
Subject: [BoatAnchors] Radio features as clue in latest Foyle's War episode
("Elise").
In-Reply-To: <55BC7FE8.403@ix.netcom.com>
References: <20150731173119.PELJG.276458.root@cdptpa-web20>
<0989576B-3E4C-4AA3-9B70-69DE47D97F61@gmail.com> <55BC7FE8.403@ix.netcom.com>
Message-ID: <55BD599B.9070307@earthlink.net>

Folks,

It ain't a boatanchor, but it is a late 40's Roberts portable.
Peace,

Scott

PS--If you haven't seen any of the Foyle's War (WWII, of course) British
TV series, you're in for a treat. Look for them on dvd at Acorn
productions, and maybe on the streaming services as well.

From wwatson5 at sbcglobal.net Tue Aug 4 15:20:22 2015
From: wwatson5 at sbcglobal.net (William Watson)
Date: Tue, 4 Aug 2015 19:20:22 +0000 (UTC)
Subject: [BoatAnchors] Free odd CRT 14VP1
Message-ID: <569406608.598990.1438716022291.JavaMail.yahoo@mail.yahoo.com>

I have a working 14VP1 CRT I will donate to anyone who will pick up or ship.? It
was salvaged from a working large format oscilloscope.?Joe W5WBR?Oklahoma City
area

From n7rk at cox.net Tue Aug 4 20:36:07 2015
From: n7rk at cox.net (Dave Hollander)
Date: Tue, 04 Aug 2015 17:36:07 -0700
Subject: [BoatAnchors] For Sale: Amplifier Parts and Misc. Stuff
Message-ID: <55C15A77.8010406@cox.net>

Amplifier Parts for sale. and Odds and Ends

These are all from a Henry 2K that was parted out. Prefer payment by paypal but other methods accepted.

1. Henry 2K Enclosure - \$90 plus shipping

Good for an amplifier or tuner project

<http://n7rk.com/radiostuff9/henry2kenclosure.jpg>

<http://n7rk.com/radiostuff9/henry2kenclosure2.jpg>

<http://n7rk.com/radiostuff9/henry2kenclosure3.jpg>

<http://n7rk.com/radiostuff9/henry2kenclosure4.jpg>

2. Antenna Changeover Relay Assembly from Henry 2K - \$35 plus shipping

This is the antenna changeover relay assembly from a Henry 2K amp with a bunch of other good parts such as a Millen high voltage connector, 11 pin chassis connector, RF choke and more.

http://n7rk.com/radiostuff9/2k_relay_etc.jpg

http://n7rk.com/radiostuff9/2k_relay_etc2.jpg

http://n7rk.com/radiostuff9/2k_relay_etc3.jpg

3. Redmond blower from a Henry 2K Amplifier - \$30 plus shipping

This has been tested and works but is slow starting. Probably needs new lubrication?

<http://n7rk.com/radiostuff9/2kblower.jpg>

<http://n7rk.com/radiostuff9/2kblower2.jpg>

4. Henry 2K Plate and Loading Dials - \$20 plus shipping

These are plate and loading dials that go behind the front panel and are seen through the windows. They fit a standard 1/4 inch shaft.

<http://n7rk.com/radiostuff9/2kdials.jpg>

<http://n7rk.com/radiostuff9/2kdials2.jpg>

Precision 3 Section Variable Capacitor - 630 pf per Section - \$32 plus shipping

Large 3 section variable capacitor. I measured 630 pf per section. This was removed from a piece of Hewlett Packard test equipment. The shaft is a standard 1/4 inch shaft however it will require an extension as it is rather short. This would be a great loading capacitor for a linear amplifier project.

<http://n7rk.com/radiostuff9/bighpcap.jpg>

Miscellaneous

Heathkit HD-10 Electronic Keyer - \$50 plus shipping

Nice Heathkit HD-10 keyer that is plug and play. It works well and is ready to use. Paddles will be removed for shipping.

<http://n7rk.com/radiostuff9/hd10.jpg>

<http://n7rk.com/radiostuff9/hd104.jpg>

<http://n7rk.com/radiostuff9/hd102.jpg>

<http://n7rk.com/radiostuff9/hd103.jpg>

The Railroad Telegrapher Journal - 7 Issues - \$35 plus shipping

seven issues of "The Railroad Telegrapher" journal from the teens and twenties of the last century. Condition varies from issue to issue with the spines being rough on several issues. The pages inside are clean.

The issue dates are:

*September 1914

* October 1918

* November 1918

* December 1918

* November 1924

* April 1925

* June 1925

http://n7rk.com/radiostuff9/Rail_telegraphmag.jpg

1930's RCA TMV-97-C Test Oscillator - \$40 plus shipping

RCA TMV-97-C Test Oscillator. This is a two tube battery operated unit.

It has both tubes. The leather handle is long gone. This was in a 1938

RCA catalog.

http://n7rk.com/radiostuff9/rca_testosc.jpg

http://n7rk.com/radiostuff9/rca_testosc2.jpg

29 Miscellaneous Variable Capacitors - \$24 plus shipping

It's a mix of trimmers and some with shafts.

<http://n7rk.com/radiostuff9/capvariety.jpg>

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>

Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From gumbear at pacbell.net Wed Aug 5 15:56:46 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 5 Aug 2015 12:56:46 -0700
Subject: [BoatAnchors] Those hard to reach cuts
Message-ID: <D7E24DF5DE6D431394120320B44CB937@KB6NAX>

Foolish me, I bought a rather expensive Erem tip cutter to get at those hard to reach wires at the bottom of crowded chassis. I already have an unidentified manufacturer tip cutter so I went searching for the same tool with no results. Flea markets can be gold mines for those valued rarities but you have to live long enough to get them. So I thought finding another pair of good tip cutters would be insurance against the inevitable. Like I said, foolish me. The Erem did not last long. Trying to cut a black ugly capacitor out resulted in the tool breaking. Yeah, the spec said ?up to 24 gauge soft copper? wire. The cap?s lead was 22 gauge copper clad iron wire.

After kicking myself in the butt a few times I launched a new search. This time with better results. I found a tool that nobody else makes and is spec?ed to cut up to 18 gauge wire. At \$70 it cost the same as the demised Erem cutter but maybe is a much better investment in tool longevity. I haven?t laid my hands on one yet so I?m just passing the info along to y?all:

The tool is the Tronex model 5088 ?rugged? tip cutter:

<http://www.tronextools.com/tronex-cutters/rugged-tip-cutter/>

You can buy the tool direct from the manufacturer because there is no distributor stock. Call Christina at 707-426-2550.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From arc5 at ix.netcom.com Thu Aug 6 00:45:53 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 5 Aug 2015 23:45:53 -0500
Subject: [BoatAnchors] Dallas Estate Sale- Zip Code 75229
Message-ID: <D9BE7642751C42C18E8CAC71EF0C6C45@DaddyPC>

Dallas area guys might want to check this estate sale,
starting Friday 8/7.
75229 is north and slightly west of downtown Dallas.
See the listing for more location information.

I don't know the people, etc. FYI

<http://www.24-7estatesales.com/component/content/article/1281>

From arc5 at ix.netcom.com Thu Aug 6 00:51:50 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 5 Aug 2015 23:51:50 -0500
Subject: [BoatAnchors] Another Dallas Estate Sale, Starting Tomorrow 8/7
In-Reply-To: <D9BE7642751C42C18E8CAC71EF0C6C45@DaddyPC>
References: <D9BE7642751C42C18E8CAC71EF0C6C45@DaddyPC>
Message-ID: <FFB03E7A993B4B929E51532DCB9EE5DE@DaddyPC>

<http://www.24-7estatesales.com/estate-sales/1101>

Don't know them, FYI.

From wb0eq at yahoo.com Fri Aug 7 21:32:30 2015
From: wb0eq at yahoo.com (John Sehring)
Date: Sat, 8 Aug 2015 01:32:30 +0000 (UTC)
Subject: [BoatAnchors] Cleaning...again
Message-ID: <1980716387.1029200.1438997550954.JavaMail.yahoo@mail.yahoo.com>

I've just come across a Drake "restoration" site.
This one is using steam to "blast" the dirt off of both top and bottom of the chassis.
I wonder how he would take to steam blasting in his own shower stall!
You cry "unfair", he's not been designed nor bred to withstand all that without damage!
Well neither has the Drake line nor any other "consumer"-grade electronics.? (MIL-spec stuff is of course the exception.)

Imagine steam getting pushed into areas that have not, cannot see, the light of day.? Very little of the Drake electronics are hermetically sealed.? Organic materials all age (Dr. Arrhenius tells how fast).? Steam automatically exceeds electronic part temperature ratings (over 212 degrees).? And the hygroscopic materials!? Oy veh!

I fervently hope that I am NEVER offered anything electronic thus abused.

?--John Sehring ?VE6EQR-WB0EQ??nr Calgary, Alberta, Canada

From gumbear at pacbell.net Sat Aug 8 00:02:16 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 7 Aug 2015 21:02:16 -0700
Subject: [BoatAnchors] Cleaning...again

In-Reply-To: <1980716387.1029200.1438997550954.JavaMail.yahoo@mail.yahoo.com>
References: <1980716387.1029200.1438997550954.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <50D43ECDCA864AFA860A5DD024CC7C76@KB6NAX>

>I fervently hope that I am NEVER offered anything electronic thus
> abused.

It is said that water is the universal solvent. Life would not be possible without it. Yes, things that dissolve into water can cause mischief with some electronic parts. Like lowering insulation leakage resistance and enabling corrosion aided by atmospheric moisture. However keeping those things in mind the purity of the water, solvents, and detergents used to clean electronics determines the degree of possible trouble ahead. If the steam used is essentially distilled water that's a plus.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From johnmb at nc.rr.com Sat Aug 8 08:46:04 2015
From: johnmb at nc.rr.com (john)
Date: Sat, 08 Aug 2015 08:46:04 -0400
Subject: [BoatAnchors] Cleaning...again
In-Reply-To: <1980716387.1029200.1438997550954.JavaMail.yahoo@mail.yahoo.com>
References: <1980716387.1029200.1438997550954.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <6.2.1.2.2.20150808084448.04634610@pop-server.nc.rr.com>

At 09:32 PM 8/7/2015, John Sehring via BoatAnchors wrote:
>I've just come across a Drake "restoration" site. This one is using steam
>to "blast" the dirt off of both top and bottom of the chassis.

As long as you run it thru the dishwasher afterwards, it's all good. :-/

I'm convinced more radios are destroyed by "restoration" than anything else.

73
John K5MO

This email has been checked for viruses by Avast antivirus software.

<http://www.avast.com>

From wb3fau55 at neo.rr.com Sat Aug 8 14:43:48 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sat, 8 Aug 2015 14:43:48 -0400
Subject: [BoatAnchors] Cleaning...again
In-Reply-To: <6.2.1.2.2.20150808084448.04634610@pop-server.nc.rr.com>
Message-ID: <20150808184348.4X0ZF.85214.root@cdptpa-web26>

Well, I was amazed at a friend who put a Collins KWM-2A thru a dishwasher. He did dry it very well in a low temp oven for a day It fired up just fine! 73s Russ.

---- john via BoatAnchors <boatanchors at theporch.com> wrote:
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>
> I'm convinced more radios are destroyed by "restoration" than anything else.
>
> 73
> John K5MO
>
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> <http://www.avast.com>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From infomet at embarqmail.com Sun Aug 9 14:20:28 2015
From: infomet at embarqmail.com (Wilson Lamb)
Date: Sun, 9 Aug 2015 14:20:28 -0400 (EDT)
Subject: [BoatAnchors] HP Manuals for Sale
Message-ID: <1215565729.39576022.1439144428210.JavaMail.root@embarqmail.com>

Clean HP Manuals for Sale.
\$8, \$12, or \$16, depending upon size, Some are big binders.

Wilson
W4BOH

3437A Syst. Voltmeter op/serv
59501A Pwr Sup programmer op/serv
3529A magnetometer probe op note

8015A Pulse Gen op/serv
4192A LF Z Analyzer op/serv
6012A Autorange PS op/serv
3570A Network Analyzer op/serv
3570A Network Analyzer op/serv
5316A Counter op
214B Pulse Gen op/serv
8011A Pulse Gen op/serv
59306 Relay Actuator op/serv
6477C DC pwr Sup op/serv
6256B etc Reg DC Pwr Sup op/serv
6012A Autorange PS op/serv
5316A Counter op/serv
3435A DMM op/serv
3437A Syst. Voltmeter op
197B Scope Camera op/serv
1741A Scope op/serv
3466A DMM op/serv
3330A/B Auto Synthesizer op/serv
196A Scope camera op/serv
196A/B Scope camera op/serv
297A Sweep Drive op/serv
302A wave Analyzer op/serv
203A Var Phase Fn Gen op/serv
3438A DMM op/serv
3478A Multimeter op
3478A DMM Service
6034A Syst DC Pwr Sup op/serv
11713A Attn/switch drvr op/serv
6200B DC pwr Sup op/serv
54600 Series Scope op/serv
3438A DMM op/serv
3314A Fn Gen op
122A Scope op/serv
3320A/B Freq synthesizer op/serv
7470A Grphic Plotter op

7470A Grphic Plotter int conn
1124A Probe op note
10041A 10/1 Probe op note
1900A Pulse Gen Mainframe op/serv
1905A Rate Gen op/serv
1908A Delay Gen op/serv
3466A DMM op/serv
3466A DMM op/serv
3466A DMM op/serv
3466A DMM op/serv
6256 etc Reg DC Pwr Sup op/serv
6274S DC pwr Sup op/serv
3438A DMM op/serv
3437A Syst. Voltmeter op
3435A DMM op/serv
1915A Var Trans Time Output op/ serv
59306A Relay Actuator op/serv
59501A Pwr Sup Programmer op/serv
6236B 6237B Triple Output PS op/serv

6236B 6237B Triple Output PS op/serv

From knjhanlon at msn.com Mon Aug 10 12:03:59 2015
From: knjhanlon at msn.com (JAMES HANLON)
Date: Mon, 10 Aug 2015 10:03:59 -0600
Subject: [BoatAnchors] cleaning ... again
Message-ID: <BLU184-W13E4E9F50DCE2CA2B6B4C0A0700@phx.gbl>

Once upon a time, a long long time ago, around 1952, I bought a BC457 Command Set Transmitter in "used, as-is, removed from aircraft condition" from Columbia, the Gem of the Surplus in LA for all of \$2.95. When it arrived, I found that the top cover and front panel were badly dented/bashed in, one 1625 and the 1626 and 1629 were all shattered as was the loading coil up front - shards of glass and ceramic and a tangle of wire greeted me when I pried the top off. Also it looked as though it had been soaked in sea water for a considerable while.

Not to be deterred I borrowed my Dad's hammer, pounded the dents out mostly, and then washed everything out with the garden hose. Mom had gone out to the beauty shop that afternoon, so I dried the rig in her oven set on low. I then put the original 1625 back in place, installed three new surplus tubes in the other sockets (a 75 cent additional investment), applied power, and it worked! My brother and I used that BC457 for eight years as the 80-meter vfo for our home-brew rig. It worked like a champ for all that time.

We broke up our station when my brother graduated from college and left home in 1960. I got the HR0-50, and he got everything else. I still have the HR0, but

sometimes I wonder where that BC457 might be. It was a good friend.

73,

Jim, W8KGI

From franklin6209 at att.net Mon Aug 10 12:19:23 2015
From: franklin6209 at att.net (Gary Franklin)
Date: Mon, 10 Aug 2015 12:19:23 -0400
Subject: [BoatAnchors] Hammarlund SP-600-JX17
Message-ID: <55C8CF0B.30709@att.net>

I have a beautiful SP-600-JX17 receiver for sale. It is in very good electrical and cosmetic condition. Will be a plug & play purchase. It includes a new case, no scratches or dents. Front panel is very nice. I have made a video so you can see its operation and cosmetic condition. This is a pickup only item or I can arrange to meet within a 100 mile radius of Kalamazoo, MI. I will not ship this receiver! I am asking \$850.

You Tube URL: <https://youtu.be/-pzGoXLdH0g>

Gary, K8BKB
Phone: 269-501-3898

From 1oldlens1 at ix.netcom.com Mon Aug 10 14:11:41 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Mon, 10 Aug 2015 11:11:41 -0700
Subject: [BoatAnchors] Hammarlund SP-600-JX17
In-Reply-To: <55C8CF0B.30709@att.net>
References: <55C8CF0B.30709@att.net>
Message-ID: <55C8E95D.100@ix.netcom.com>

I suggest you include some photos of the inside of the chassis. It looks fine on the outside and the cabinet is a very rare item. I don't think the JX-17 was ever sold in cabinets although there may have been exceptions,. The JX-17 is modified by Hammarlund for diversity use and includes factory versions of some mods originally introduced by Northern Radio. The IF Gain adjustment on the panel is an after market mod covered in an official Hammarlund service bulletin. This is a requirement for a multiple receiver diversity arrangement but is of no utility in a single receiver. The pot can be bridged across. Receivers with the IF Gain mod will also have a series resistor in the dial lamp line to extend the life of the dial lamps. The SP-600 is a notorious dial lamp eater. I think most, if not all, of these sets have ceramic disc capacitors in place of the notorious BBs in the earlier sets. If you are lucky no one has done any plate bending on the tuning

capacitor. People who do this do not understand how to align the set. Plus, the stators are held to the frame by clamp screws and can drift a little so they are no longer centered. This causes a frequency error but is easy to put right although that requires removing the tuning cap. Not as hard as it looks. When right these are very fine receivers, most of the complaints are because many are damaged or in otherwise working but poor condition.

On 8/10/2015 9:19 AM, Gary Franklin via BoatAnchors wrote:

> I have a beautiful SP-600-JX17 receiver for sale. It is in very good
> electrical and cosmetic condition. Will be a plug & play purchase. It
> includes a new case, no scratches or dents. Front panel is very nice.
> I have made a video so you can see its operation and cosmetic
> condition. This is a pickup only item or I can arrange to meet within
> a 100 mile radius of Kalamazoo, MI. I will not ship this receiver! I
> am asking \$850.

>

> You Tube URL: <https://youtu.be/-pzGoXLdH0g>

>

> Gary, K8BKB

> Phone: 269-501-3898

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

--

Richard Knoppow

1oldlens1 at ix.netcom.com

WB6KBL

From gsantacana at gmail.com Mon Aug 10 17:29:24 2015

From: gsantacana at gmail.com (Guido Santacana)

Date: Mon, 10 Aug 2015 17:29:24 -0400

Subject: [BoatAnchors] cleaning ... again

In-Reply-To: <BLU184-W13E4E9F50DCE2CA2B6B4C0A0700@phx.gbl>

References: <BLU184-W13E4E9F50DCE2CA2B6B4C0A0700@phx.gbl>

Message-ID: <CA01yix09ycwoMJnTvCEhd08kGcBYUAsYj-5+uQkXqsqyK3t68A@mail.gmail.com>

Nice story. Something like that happened to me 20 years later. I got a Heath DX100B transmitter for a song and after cleaning the rig and replacing the power supply electrolytics I used it in conjunction with a Hammarlund HQ170AC that included 2m AM. That was the best pair I ever used. It was sold in the early 80s. This is a sale I have regretted for years. Never saw that pair again and wonder what happened to them. But then, who

has no regrets about some gear or other.

Best 73s

Guido Santacana KP4FAR

On Monday, August 10, 2015, JAMES HANLON via BoatAnchors <
boatanchors at theporch.com> wrote:

> Once upon a time, a long long time ago, around 1952, I bought a BC457
Command Set Transmitter in "used, as-is, removed from aircraft condition"
from Columbia, the Gem of the Surplus in LA for all of \$2.95. When it
arrived, I found that the top cover and front panel were badly
dented/bashed in, one 1625 and the 1626 and 1629 were all shattered as was
the loading coil up front - shards of glass and ceramic and a tangle of
wire greeted me when I pried the top off. Also it looked as though it had
been soaked in sea water for a considerable while.

>

> Not to be deterred I borrowed my Dad's hammer, pounded the dents out
mostly, and then washed everything out with the garden hose. Mom had gone
out to the beauty shop that afternoon, so I dried the rig in her oven set
on low. I then put the original 1625 back in place, installed three new
surplus tubes in the other sockets (a 75 cent additional investment),
applied power, and it worked! My brother and I used that BC457 for eight
years as the 80-meter vfo for our home-brew rig. It worked like a champ
for all that time.

>

> We broke up our station when my brother graduated from college and left
home in 1960. I got the HRO-50, and he got everything else. I still have
the HRO, but sometimes I wonder where that BC457 might be. It was a good
friend.

>

> 73,

>

> Jim, W8KGI

>

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From zengmeiste at aol.com Mon Aug 10 18:09:46 2015

From: zengmeiste at aol.com (Jammer)

Date: Mon, 10 Aug 2015 18:09:46 -0400

Subject: [BoatAnchors] tip cutters & Drake-o-matic Steam Cleaning

In-Reply-To: <mailman.290.1439144455.283.boatanchors@theporch.com>

References: <mailman.290.1439144455.283.boatanchors@theporch.com>

Message-ID: <14f19a98cd7-30ab-4ab84@webprd-m41.mail.aol.com>

cutters? howzabout surgical scissors?

and puh-leez share the Drake site, I'm sure we'd all love to chastise that.... unknowledgeable person. ahem.

73 Terry KC9KEL

From gsantacana at gmail.com Mon Aug 10 18:56:40 2015
From: gsantacana at gmail.com (Guido Santacana)
Date: Mon, 10 Aug 2015 18:56:40 -0400
Subject: [BoatAnchors] RDA-127
Message-ID: <68D15627-DC67-4301-B4B8-20EEBAE3EDCF@gmail.com>

Ok, this may be almost sacrilege in this list but here it goes. Some years ago I found a trashed Readers Digest RDA-127 multiband set. It is a transistor set from the early 70s but big as they could make them. Consider it a boatanchor wanabe. Finally I took pity on it and decided to give it a chance. After a good cleanup the thing looks pretty good but a chekup of the circuit board revealed a couple of disconnected cables that seem to go into the small circuit board that holds the power supply plus audio section. Now my respectful request. If anyone in the list has one of these, would it be possible to take an image of the circuit boards to see where the dangling cables go and send it to my personal email? It will be appreciated. There is very little if any information on this one.

This radio is a representative of the multibands sold during the cold war period. The special thing about it is the name Readers Digest. I wonder if this was the only radio ever offered by this venerable publication. Well, who doesn't remember RDs condensed books?

73s

Guido Santacana KP4FAR

Sent from my iPad

From wwatson5 at sbcglobal.net Tue Aug 11 00:41:22 2015
From: wwatson5 at sbcglobal.net (William Watson)
Date: Tue, 11 Aug 2015 04:41:22 +0000 (UTC)
Subject: [BoatAnchors] Recent findings
Message-ID: <277752831.2629909.1439268082141.JavaMail.yahoo@mail.yahoo.com>

?Last week I found?a Hallicrafters HT-32 and a Central Electronics 20A.? The HT-32 is in reasonably good cosmetic shape----should be a good candidate for restoration.The 20A looks pretty good on the outside, but is not so clean inside---probably could be restored or used for parts.
Anyone interested in either of these, let me know at wwatson5 at sbcglobal.net.I

am in Edmond, OK..
JoeW5WBR

From richardlo at admin.athabascau.ca Tue Aug 11 12:09:57 2015
From: richardlo at admin.athabascau.ca (Richard Loken)
Date: Tue, 11 Aug 2015 10:09:57 -0600 (MDT)
Subject: [BoatAnchors] RDA-127
In-Reply-To: <68D15627-DC67-4301-B4B8-20EEBAE3EDCF@gmail.com>
Message-ID: <Pine.PMDF.4.44L.1508111003450.1090-1000000@admin.athabascau.ca>

Guido, I recently inherited another short wave radio from that era, it is labelled "National Panasonic" and has the model number "R-100". It is big and heavy and boasts nine transistors. I did not know that Panasonic was once marketed as National Panasonic.

I shall have to find somebody to give it to, it is now a bit of radio history and should be preserved but I have no interest in solid state gear and most certainly no interest in Asian consumer electronics.

--

Richard Loken VE6BSV, Unix System Administrator	:	"Anybody can be a father
Athabasca University	:	but you have to earn
Athabasca, Alberta Canada	:	the title of 'daddy'"
** richardlo at admin.athabascau.ca **	:	- Lynn Johnston

From dave at horsfall.org Tue Aug 11 13:02:09 2015
From: dave at horsfall.org (Dave Horsfall)
Date: Wed, 12 Aug 2015 03:02:09 +1000 (EST)
Subject: [BoatAnchors] RDA-127
In-Reply-To: <Pine.PMDF.4.44L.1508111003450.1090-1000000@admin.athabascau.ca>
References: <Pine.PMDF.4.44L.1508111003450.1090-1000000@admin.athabascau.ca>
Message-ID: <alpine.BSF.2.11.1508120257160.50064@aneurin.horsfall.org>

On Tue, 11 Aug 2015, Richard Loken via BoatAnchors wrote:

> Guido, I recently inherited another short wave radio from that era, it
> is labelled "National Panasonic" and has the model number "R-100". It
> is big and heavy and boasts nine transistors. I did not know that
> Panasonic was once marketed as National Panasonic.

They were certainly marketed in Australia under that name (big beautiful things) and I vaguely remember the R-100.

> I shall have to find somebody to give it to, it is now a bit of radio
> history and should be preserved but I have no interest in solid state
> gear and most certainly no interest in Asian consumer electronics.

/me does quick calculation of Canada/Aus shipping... Nope :-(Call me a heathen, but I like old trannie stuff; those germanium transistors (now made from unobtainium) have a certain charm.

--

Dave Horsfall DTM (VK2KFU) "Those who don't understand security will suffer"
RIP Cecil the Lion; he was in pain for two days, thanks to some brave hunter.

From ddillman at igc.org Wed Aug 12 19:41:23 2015
From: ddillman at igc.org (Richard Dillman)
Date: Wed, 12 Aug 2015 16:41:23 -0700 (GMT-07:00)
Subject: [BoatAnchors] Power Transformer Needed
Message-ID: <27744322.1439422883634.JavaMail.root@mswamui-billy.atl.sa.earthlink.net>

We have restored a Radiomarine AR-8510 LF/MF shipboard receiver for display. The next step is to build a power supply for it. All components for the PS are in hand except for the heart of the unit, the power transformer.

The transformer needs to be 120V in, 280 to 320 V. or so CT secondary, and either 1) one 6.3V and one 5 V secondary OR 2) two 6.3 V secondaries. One 6.3 V needs to be 2 amp or thereabouts, the other .6A.

All leads to such a transformer, new or used, will be greatly appreciated.

We've looked at the Hammond transformer but it isn't **quite** what we need.

RD

=====
Richard Dillman, T2-GB-061170
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From 4cx250b at miamioh.edu Thu Aug 13 11:15:25 2015
From: 4cx250b at miamioh.edu (Jim Garland)
Date: Thu, 13 Aug 2015 09:15:25 -0600
Subject: [BoatAnchors] Boatanchor sighting in Longmire
Message-ID: <0c1401d0d5da\$e1b7a480\$a526ed80\$miamioh.edu>

Hi All,

In case any of you are fans of the TV series Longmire (now produced by Netflix), check out the programs being released this month. One of the shows features a ham operator who collects vintage rigs. His collection, visible in the program, includes a Johnson Ranger, KWM1, NCL2000, Hallifcrafters FPM200 and SX88, NCX5, and numerous other vintage goodies. This guy was a serious collector!

(The series is set in Wyoming but is filmed in Santa Fe. The production crew borrowed some of the rigs from my station, which is why I know about this.)

73,

Jim W8ZR

From gumbear at pacbell.net Thu Aug 13 15:40:26 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 13 Aug 2015 12:40:26 -0700
Subject: [BoatAnchors] Power Transformer Needed
In-Reply-To: <27744322.1439422883634.JavaMail.root@mswamui-billy.atl.sa.earthlink.net>
References: <27744322.1439422883634.JavaMail.root@mswamui-billy.atl.sa.earthlink.net>
Message-ID: <B6F8A2A5B5A84AB4BA11801D4ED51FDC@KB6NAX>

>The transformer needs to be 120V in, 280 to 320 V. or so CT
> secondary, and either
1) one 6.3V and one 5 V secondary OR 2) two 6.3 V secondaries. One 6.3 V
needs to be 2 amp or
thereabouts, the other .6A.

Richard, can you pick a vintage model transformer from a Stancor, Thordasen, or Merit catalog and pass it along so we can see the details of size and capacity? I have several salvaged transformers that might fit the need. I have the catalogs and they are also available on the net.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by

his treatment of animals.
?Immanuel Kant

From w7fe at cox.net Thu Aug 13 17:26:15 2015
From: w7fe at cox.net (w7fe)
Date: Thu, 13 Aug 2015 14:26:15 -0700
Subject: [BoatAnchors] Boatanhor sighting in Longmire
References: <4FFi1r01Y03BXh301FG7Wb>
Message-ID: <0341070F27174B13911D591BFBD18971@STU>

Thanks for the heads-up, Jim. Sounds like a great epipsode. Can you tell us which season/episode this one is? I see Netflix access to seasons 1 thru 3 as currently available with season 4 not available until September.

73, Stu, W7FE

----- Original Message -----

From: "Jim Garland via BoatAnchors" <boatanchors at theporch.com>
To: <boatanchors at theporch.com>
Sent: Thursday, August 13, 2015 8:15 AM
Subject: [BoatAnchors] Boatanhor sighting in Longmire

> Hi All,
>
> In case any of you are fans of the TV series Longmire (now produced by
> Netflix), check out the programs being released this month. One of the
> shows
> features a ham operator who collects vintage rigs. His collection, visible
> in the program, includes a Johnson Ranger, KWM1, NCL2000, Hallifcrafters
> FPM200 and SX88, NCX5, and numerous other vintage goodies. This guy was a
> serious collector!
>
>
>
> (The series is set in Wyoming but is filmed in Santa Fe. The production
> crew
> borrowed some of the rigs from my station, which is why I know about
> this.)
>
>
>
> 73,
>
> Jim W8ZR

>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From 4cx250b at miamioh.edu Thu Aug 13 19:06:38 2015
From: 4cx250b at miamioh.edu (Jim Garland)
Date: Thu, 13 Aug 2015 17:06:38 -0600
Subject: [BoatAnchors] Boatanhor sighting in Longmire
In-Reply-To: <0341070F27174B13911D591BFBD18971@STU>
References: <4FFi1r01Y03BXh301FG7Wb> <0341070F27174B13911D591BFBD18971@STU>
Message-ID: <00ab01d0d61c\$b680ff40\$2382fdc0\$miamioh.edu>

Hi Stu,
A list member informs me that the premier on Netflix is September 10, and it would be Season 4. I'm not sure which episode it is, but I know it's not the first one. I think it may be about midway through the season. The story pertains to a Japanese internment camp, and the ham operator sadly does not survive the episode. I learned a few interesting things about TV production during the filming, which I'll share later.

A fun thing about living in Santa Fe is that lots of movies and TV series are filmed here. In 2012, Breaking Bad filmed an episode on my property. It was a Season 5 episode involving a train robbery and the tracks run alongside my property. I had to lower my tower so it wouldn't show in the filming, which was a great disappointment!

73,
Jim W8ZR

> -----Original Message-----
> From: w7fe [mailto:w7fe at cox.net]
> Sent: Thursday, August 13, 2015 3:26 PM
> To: Jim Garland; boatanchors at theporch.com
> Subject: Re: [BoatAnchors] Boatanhor sighting in Longmire
>
> Thanks for the heads-up, Jim. Sounds like a great epipsode. Can you tell us
> which season/episode this one is? I see Netflix access to seasons 1 thru 3
> as currently available with season 4 not available until September.
>
> 73, Stu, W7FE
>
>
> ----- Original Message -----

> From: "Jim Garland via BoatAnchors" <boatanchors at theporch.com>
> To: <boatanchors at theporch.com>
> Sent: Thursday, August 13, 2015 8:15 AM
> Subject: [BoatAnchors] Boatanhor sighting in Longmire
>
>
> > Hi All,
> >
> > In case any of you are fans of the TV series Longmire (now produced by
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> > (The series is set in Wyoming but is filmed in Santa Fe. The production
> > crew
> > borrowed some of the rigs from my station, which is why I know about
> > this.)
> >
> >
> >
> > 73,
> >
> > Jim W8ZR
> >
> > -----
> > BoatAnchors mailing list
> > BoatAnchors at theporch.com
> > <https://minime.theporch.com/mailman/listinfo/boatanchors>

From k8mfo at aol.com Thu Aug 13 19:12:55 2015
From: k8mfo at aol.com (Donald A. Karvonen)
Date: Thu, 13 Aug 2015 19:12:55 -0400
Subject: [BoatAnchors] ***JUNK MAIL***
Message-ID: <8fkht7g80i246h3qonghodnw.1439507570851@email.android.com>

From w7fe at cox.net Thu Aug 13 23:56:54 2015

From: w7fe at cox.net (Stu Willcox)
Date: Thu, 13 Aug 2015 20:56:54 -0700
Subject: [BoatAnchors] Boatanhor sighting in Longmire
In-Reply-To: <4P5z1r01D3ov35t01P6ijK>
References: <4FFi1r01Y03BXh301FG7Wb> <0341070F27174B13911D591BFBD18971@STU>
<4P5z1r01D3ov35t01P6ijK>
Message-ID: <522D93FE-319A-49B8-87B2-F1F9989929AC@cox.net>

Thanks, Jim. We'll be watching for it.

73, Stu

Sent from my iPad

> On Aug 13, 2015, at 4:06 PM, Jim Garland <4cx250b at miamioh.edu> wrote:
>
> Hi Stu,
> A list member informs me that the premier on Netflix is September 10, and it
> would be Season 4. I'm not sure which episode it is, but I know it's not
> the first one. I think it may be about midway through the season. The story
> pertains to a Japanese internment camp, and the ham operator sadly does not
> survive the episode. I learned a few interesting things about TV production
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> are filmed here. In 2012, Breaking Bad filmed an episode on my property. It
> was a Season 5 episode involving a train robbery and the tracks runW
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> filming, which was a great disappointment!
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> 73,
> Jim W8ZR
>
>> -----Original Message-----
>> From: w7fe [mailto:w7fe at cox.net]
>> Sent: Thursday, August 13, 2015 3:26 PM
>> To: Jim Garland; boatanchors at theporch.com
>> Subject: Re: [BoatAnchors] Boatanhor sighting in Longmire
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>> Thanks for the heads-up, Jim. Sounds like a great episode. Can you tell
> us
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>> as currently available with season 4 not available until September.
>>
>> 73, Stu, W7FE
>>
>>

>> ----- Original Message -----
>> From: "Jim Garland via BoatAnchors" <boatanchors at theporch.com>
>> To: <boatanchors at theporch.com>
>> Sent: Thursday, August 13, 2015 8:15 AM
>> Subject: [BoatAnchors] Boatanchor sighting in Longmire
>>
>>
>>> Hi All,
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>>> Netflix), check out the programs being released this month. One of the
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>>> FPM200 and SX88, NCX5, and numerous other vintage goodies. This guy was
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>>> (The series is set in Wyoming but is filmed in Santa Fe. The production
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>>> this.)
>>>
>>>
>>>
>>> 73,
>>>
>>> Jim W8ZR
>>>
>>> -----
>>> BoatAnchors mailing list
>>> BoatAnchors at theporch.com
>>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>
>

From kd5byb at kd5byb.net Sat Aug 15 18:34:37 2015
From: kd5byb at kd5byb.net (Ben Hall)
Date: Sat, 15 Aug 2015 17:34:37 -0500
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook?
Message-ID: <55CFBE7D.9060902@kd5byb.net>

Evening all,

At today's Huntsville Hamfest, a homebrew amplifier followed me home. The seller provided a copy of the article it was built from:

"A 900-Watt Grounded-Grid Amplifier" which started on page 193. It uses a single 3-400Z tube.

I believe it is from an early to mid 1960's handbook. A very similar-looking circuit appears in a 1968 handbook, "A Compact 3-400Z Grounded-Grid Amplifier", which is why I'm thinking early to mid-60's. It matches the size and font exactly. Here's a link to this article, perhaps someone will recognize the layout/font.

[<http://ham.homelinux.org/schemi-pdf/68hb191.pdf>](http://ham.homelinux.org/schemi-pdf/68hb191.pdf)

Does this amp sound familiar? I'd like to identify which handbook it came from so I can obtain a copy. The photocopy I've got is okay, but would like to have an original to make a nice scan from.

The hamfest for me was kind of yawn. Lots of BA's, but most were smaller units not to my taste. Saw a couple of PRC-47's and a couple of other mil sets, but they were priced way outside my budget. Did not see much of any mil equipment past that save for a few BC-348's.

thanks much and 73,
ben, kd5byb

From rbsing1 at ilstu.edu Sat Aug 15 19:11:03 2015
From: rbsing1 at ilstu.edu (Singley, Rodger)
Date: Sat, 15 Aug 2015 23:11:03 +0000
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook?
In-Reply-To: <55CFBE7D.9060902@kd5byb.net>
References: <55CFBE7D.9060902@kd5byb.net>
Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD322FFC317@ISUEMBX02.ad.ilstu.edu>

Ben,

It is in my 1966 handbook and I think it was also in my 1968 but I don't have that one handy. I can scan it for you later this weekend. It may also be in my QST view CDs but since I am not running XP anymore I cannot use the index/search program for the CDs; another reason for my general disdain for the current iteration of the league of goofs.

As you are probably aware the 3-400Z is difficult to find since it had a fairly short production life but as long as the vertical clearance is there a 3-500Z can be used and in most cases the much more available 4-400A can be used with grids grounded although a 3- series tube is preferable.

Rodger WQ9E

Dr. Rodger B. Singley
Professor of Marketing

> -----Original Message-----
> From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf
> Of Ben Hall via BoatAnchors
> Sent: Saturday, August 15, 2015 5:35 PM
> To: Old Tube Radios <boatanchors at theporch.com>
> Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook?
>
> Evening all,
>
> At today's Huntsville Hamfest, a homebrew amplifier followed me home.
> The seller provided a copy of the article it was built from:
>
> "A 900-Watt Grounded-Grid Amplifier" which started on page 193. It uses a
> single 3-400Z tube.
>

From w7qho at aol.com Sat Aug 15 21:01:19 2015
From: w7qho at aol.com (Dennis DuValll)
Date: Sat, 15 Aug 2015 18:01:19 -0700
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook?
In-Reply-To: <55CFBE7D.9060902@kd5byb.net>
References: <55CFBE7D.9060902@kd5byb.net>
Message-ID: <4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>

It's in the ARRL publication "SINGLE SIDEBAND for the Radio Amateur? fifth
edition, 1970, pages 131 - 133.

Dennis D. W7QH0
Glendale, CA

> On Aug 15, 2015, at 3:34 PM, Ben Hall via BoatAnchors <boatanchors at
theporch.com> wrote:
>
> Evening all,
>
> At today's Huntsville Hamfest, a homebrew amplifier followed me home. The seller
provided a copy of the article it was built from:
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> "A 900-Watt Grounded-Grid Amplifier" which started on page 193. It uses a single

3-400Z tube.

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> I believe it is from an early to mid 1960's handbook. A very similar-looking circuit appears in a 1968 handbook, "A Compact 3-400Z Grounded-Grid Amplifier", which is why I'm thinking early to mid-60's. It matches the size and font exactly. Here's a link to this article, perhaps someone will recognize the layout/font.

>

> <<http://ham.homelinux.org/schemi-pdf/68hb191.pdf>>

>

> Does this amp sound familiar? I'd like to identify which handbook it came from so I can obtain a copy. The photocopy I've got is okay, but would like to have an original to make a nice scan from.

>

> The hamfest for me was kind of yawn. Lots of BA's, but most were smaller units not to my taste. Saw a couple of PRC-47's and a couple of other mil sets, but they were priced way outside my budget. Did not see much of any mil equipment past that save for a few BC-348's.

>

> thanks much and 73,

> ben, kd5byb

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From w7qho at aol.com Sat Aug 15 21:13:16 2015

From: w7qho at aol.com (Dennis DuValll)

Date: Sat, 15 Aug 2015 18:13:16 -0700

Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)

In-Reply-To: <4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>

References: <55CFBE7D.9060902@kd5byb.net>

<4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>

Message-ID: <04400510-8993-4C5B-9987-416563E2EA8A@aol.com>

It?s also described in the 1868 ARRL Handbook, Pages 191 - 194.

Dennis D. W7QHO

Glendale, CA

> On Aug 15, 2015, at 6:01 PM, Dennis DuValll <w7qho at aol.com> wrote:

>

> It?s in the ARRL publication "SINGLE SIDEBAND for the Radio Amateur? fifth edition, 1970, pages 131 - 133.

>

> Dennis D. W7QH0
> Glendale, CA
>
> *****
>
>> On Aug 15, 2015, at 3:34 PM, Ben Hall via BoatAnchors <boatanchors at theporch.com> wrote:
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>> "A 900-Watt Grounded-Grid Amplifier" which started on page 193. It uses a single 3-400Z tube.
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>> I believe it is from an early to mid 1960's handbook. A very similar-looking circuit appears in a 1968 handbook, "A Compact 3-400Z Grounded-Grid Amplifier", which is why I'm thinking early to mid-60's. It matches the size and font exactly. Here's a link to this article, perhaps someone will recognize the layout/font.
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>> <<http://ham.homelinux.org/schemi-pdf/68hb191.pdf>>
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>> Does this amp sound familiar? I'd like to identify which handbook it came from so I can obtain a copy. The photocopy I've got is okay, but would like to have an original to make a nice scan from.
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>>
>> thanks much and 73,
>> ben, kd5byb
>> -----
>> BoatAnchors mailing list
>> BoatAnchors at theporch.com
>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From bluegrassdakine at hotmail.com Sun Aug 16 03:09:01 2015
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Sun, 16 Aug 2015 02:09:01 -0500
Subject: [BoatAnchors] FS ART-13 Transmitter
Message-ID: <BAY180-W34170B27D78854DBB9E3B4A97A0@phx.gbl>

ART-13 Transmitter. It looks like this was used to stack all the other gear on top as the black paint is really chipped off... It is complete although dirty, dusty, etc. Inside has all the components and looks restoreable . Cover is a mess with most paint scrapped off either by the military bouncing around or the SK's son

Price -----\$100 (or make an offer)
Weight???? -----\$???

I will get a weight but it will take time to box, wrap and drive to the PO for the final weight.

The
shipping from 60553 and will include the box or double, multiple wraps of bubble and foam for the front to protect knobs which I was told were made of Unobtanium!

I have some items for sale that were left in a shed by an SK ham. I did not want to leave them in Hawaii when I moved so I shipped them to Illinois where I am now. I will list them separately and price them as low as possible. I would like to recover at least the shipping cost from Hawaii but that might not be realistic, but some items are collectible and usable.

Pictures as requested and first come first served. Payment to Paypal if you have an account or a check if not. If you want an item and say "I'm interested" or "send me a pic," that will not NECESSARILY freeze or hold the sale. Payment to Paypal will be the deciding factor. Secondly if you want an item let me know you are mailing a check and i will hold it.

The son should be shot at dawn..no excuse

KD9CCZ

From bluegrassdakine at hotmail.com Sun Aug 16 03:22:28 2015
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Sun, 16 Aug 2015 02:22:28 -0500
Subject: [BoatAnchors] FS TV-3 Mutual Conductance Tube Tester
Message-ID: <BAY180-W3194BC5F34502EB162A759A97A0@phx.gbl>

I have an item for sale that was left in a shed by an SK ham. I did not want to leave it in Hawaii when I moved so I shipped it to Illinois where I am now. I will list and price it as low as possible. I would like to recover at least the shipping cost from Hawaii but that might not be realistic.

This is collectible and usable. You will need to clean, test it carefully. Pictures as requested and first come first served. Payment

to Paypal if you have an account or a check if not. If you want an item and say "I'm interested" or "send me a pic," that will not NECESSARILY freeze or hold the sale, but will put it in the "interested column". Payment to Paypal will be the deciding factor. Secondly if you want an item let me know you are very interested and mailing a check. I will hold it.

TV-3 Military Mutual Conductance Tube Tester.

This was protected in its case and although needs some careful TLC would make someone a good tester. -----\$200

Shipping, packing and Boxing will be \$62
total will be \$262 to your door.

Ebay has one now for \$350 plus shipping

Raymond Cote
Ex US Navy
ET1 (SS)Submarine service

From bluegrassdakine at hotmail.com Sun Aug 16 03:44:08 2015
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Sun, 16 Aug 2015 02:44:08 -0500
Subject: [BoatAnchors] CRV-20130 Power supply for RBB Receiver (I think)
Message-ID: <BAY180-W863ECB6CBA7CF0D7E93471A97A0@phx.gbl>

Power supply CRV-20130-B Might be for one of the RBA or RBB receivers. It is dirty as expected but looks to be sealed from most intrusive weather. There are no cables and is as listed.

I have some items for sale that were left in a shed by an SK ham. I did not want to leave them in Hawaii when I moved so I shipped them to Illinois where I am now. I will list them separately and price them as low as possible. I would like to recover at least the shipping cost from Hawaii but that might not be realistic, but some items are collectible and usable. Pictures as requested and first come first served. Payment to Paypal if you have an account or a check if not. If you want an item and say "I'm interested" or "send me a pic," that will not NECESSARILY freeze or hold the sale. Payment to Paypal will be the deciding factor. Secondly if you want an item let me know you are mailing a check and i will hold it.

Price \$95 plus shipping

Weight will be determined after packing and boxing. It is a bit heavy

The shipping might exceed purchase price but the RBB needs a power supply. Again

there are no cables and is as listed.

From WA5CAB at cs.com Sun Aug 16 11:50:34 2015
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Sun, 16 Aug 2015 11:50:34 -0400
Subject: [BoatAnchors] [Boatanchors] CRV-20130 Power supply for RBB
Receiver (I think)
Message-ID: <67c04.4a2ff108.43020b4a@cs.com>

Raymond,

Yes, CRV-20130 is for the RBA, RBB and/or RBC.

I don't have any cables but do have the AN (MS) connectors for the output power cable. Don't have any AC power input connectors, though.

Robert Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

In a message dated 08/16/2015 02:44:36 AM Central Daylight Time,
bluegrassdakine at hotmail.com writes:
> Power supply CRV-20130-B Might be for one of the RBA or RBB receivers.
> It is dirty as expected but looks to be sealed from most intrusive weather.
> There are no cables and is as listed.
>

From navy.radio at gmail.com Sun Aug 16 11:57:07 2015
From: navy.radio at gmail.com (Nick England)
Date: Sun, 16 Aug 2015 11:57:07 -0400
Subject: [BoatAnchors] [Boatanchors] CRV-20130 Power supply for RBB
Receiver (I think)
In-Reply-To: <67c04.4a2ff108.43020b4a@cs.com>
References: <67c04.4a2ff108.43020b4a@cs.com>
Message-ID: <CAB55hNe4ryEChU6r7=MmyNHE7k3sCmch0L6uojq69GebyWeJ=A@mail.gmail.com>

The original power supply AC power cord connector is a Russellstoll
Ever-Lok 8013 or 8013N (** NOT 8013U1 **).
Look for them on eBay under Russellstoll, Russell Stoll, Russell & Stoll,
Ever-Lok, or Thomas & Betts. Pretty expensive from electrical supply
places, but I got a NOS one on eBay for \$8 plus shipping.

Nick England K4NYW
www.navy-radio.com

On Sun, Aug 16, 2015 at 11:50 AM, WA5CAB--- via Boatanchors <

boatanchors at mailman.qth.net> wrote:

> Raymond,
>
> Yes, CRV-20130 is for the RBA, RBB and/or RBC.
>
> I don't have any cables but do have the AN (MS) connectors for the output
> power cable. Don't have any AC power input connectors, though.
>
> Robert Downs - Houston
> wa5cab dot com (Web Store)
> MVPA 9480
>
> In a message dated 08/16/2015 02:44:36 AM Central Daylight Time,
> bluegrassdakine at hotmail.com writes:
> > Power supply CRV-20130-B Might be for one of the RBA or RBB receivers.
> > It is dirty as expected but looks to be sealed from most intrusive
> weather.
> > There are no cables and is as listed.
> >
> -----
> Boatanchors mailing list
> Home: <http://mailman.qth.net/mailman/listinfo/boatanchors>
> Help: <http://mailman.qth.net/mmfaq.htm>
> Post: <mailto:Boatanchors at mailman.qth.net>
>
> List Administrator: Duane Fischer, W8DBF
> ** For Assistance: dfischer at usol.com **
>
>
> This list hosted by: <http://www.qsl.net>
> Please help support this email list: <http://www.qsl.net/donate.html>
> Message delivered to navy.radio at gmail.com
>

From kd5byb at kd5byb.net Sun Aug 16 12:17:46 2015
From: kd5byb at kd5byb.net (Ben Hall)
Date: Sun, 16 Aug 2015 11:17:46 -0500
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
In-Reply-To: <04400510-8993-4C5B-9987-416563E2EA8A@aol.com>
References: <55CFBE7D.9060902@kd5byb.net>
<4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>
<04400510-8993-4C5B-9987-416563E2EA8A@aol.com>
Message-ID: <55D0B7AA.2040608@kd5byb.net>

Good evening all,

Thanks for the multiple replies on the 3-400Z amp - it is much appreciated! Once I get some "honey-do" tasks complete, I hope to pop the top to take a look-see inside to see what I've got. From what I can see from the outside, it is a nicely made unit. :)

thanks much and 73,
ben, kd5byb

On 8/15/2015 8:13 PM, Dennis DuValll wrote:

> It's also described in the 1868 ARRL Handbook, Pages 191 - 194.

From arc5 at ix.netcom.com Sun Aug 16 19:42:12 2015
From: arc5 at ix.netcom.com (=?utf-8?B?YXJjNUBpeC5uZXRjb20uY29t?=
Date: Sun, 16 Aug 2015 23:42:12 GMT
Subject: [BoatAnchors] Power Transformer Needed
Message-ID: <000f4242.2b98edea0ee9dfd1@ix.netcom.com>

----- Original message-----From: Richard Dillman via BoatAnchors Date: Wed, Aug 12, 2015 18:43To: Boatanchors;Subject:[BoatAnchors] Power Transformer Needed
We have restored a Radiomarine AR-8510 LF/MF shipboard receiver for display. The next step is to build a power supply for it. All components for the PS are in hand except for the heart of the unit, the power transformer. The transformer needs to be 120V in, 280 to 320 V. or so CT secondary, and either 1) one 6.3V and one 5 V secondary OR 2) two 6.3 V secondaries. One 6.3 V needs to be 2 amp or thereabouts, the other .6A. All leads to such a transformer, new or used, will be greatly appreciated. We've looked at the Hammond transformer but it isn't *quite* what we need. RD=====Richard Dillman, T2-GB-061170 Chief Operator, Coast Station KSMMaritime Radio Historical Societyhttp://www.radiomarine.org=====

BoatAnchors mailing listBoatAnchors at theporch.comhttps://minime.theporch.com/mailman/listinfo/boatanchors

From arc5 at ix.netcom.com Sun Aug 16 21:29:59 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 16 Aug 2015 20:29:59 -0500
Subject: [BoatAnchors] Power Transformer Needed

In-Reply-To: <000f4242.2b98edea0ee9dfd1@ix.netcom.com>
References: <000f4242.2b98edea0ee9dfd1@ix.netcom.com>
Message-ID: <869BD4DC4D574242BC3A5072D74366BA@DaddyPC>

Sorry- that was my phone doing a "pocket dial."

From 1oldlens1 at ix.netcom.com Sun Aug 16 21:38:38 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Sun, 16 Aug 2015 18:38:38 -0700
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
In-Reply-To: <55D0B7AA.2040608@kd5byb.net>
References: <55CFBE7D.9060902@kd5byb.net>
<4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>
<04400510-8993-4C5B-9987-416563E2EA8A@aol.com> <55D0B7AA.2040608@kd5byb.net>
Message-ID: <55D13B1E.8020505@ix.netcom.com>

Since someone said this definitely came from an ARRL publication this may be pointless but the "Radio" handbook, edited for many years by Bill Orr had a lot of fairly complete plans for high power amplifiers. Also, I think Eimac published some sample designs. Might be interesting to research.

On 8/16/2015 9:17 AM, Ben Hall via BoatAnchors wrote:

> Good evening all,
>
> Thanks for the multiple replies on the 3-400Z amp - it is much
> appreciated! Once I get some "honey-do" tasks complete, I hope to pop
> the top to take a look-see inside to see what I've got. From what I
> can see from the outside, it is a nicely made unit. :)
>
> thanks much and 73,
> ben, kd5byb
>
> On 8/15/2015 8:13 PM, Dennis DuValll wrote:
>> It's also described in the 1968 ARRL Handbook, Pages 191 - 194.
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From rbsingl at ilstu.edu Sun Aug 16 22:02:56 2015
From: rbsingl at ilstu.edu (Singley, Rodger)
Date: Mon, 17 Aug 2015 02:02:56 +0000
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
In-Reply-To: <55D13B1E.8020505@ix.netcom.com>
References: <55CFBE7D.9060902@kd5byb.net>
<4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>
<04400510-8993-4C5B-9987-416563E2EA8A@aol.com> <55D0B7AA.2040608@kd5byb.net>
<55D13B1E.8020505@ix.netcom.com>
Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD322FFC7C5@ISUEMBX02.ad.ilstu.edu>

Richard,

I misunderstood which amp Ben owned and as I understand it now his is different and is not the one in the ARRL handbook or in any of their SSB handbooks. But adding to the mystery I have the Editors and Engineers/Orr/West Coast handbooks and I couldn't find it in any of them either. I asked Ben to send me a scan of the front page of what he has and maybe a photo of the amp to try and run it down since I have Ham Radio and 73 magazine complete runs as digital copies and I have most of the printed CQ magazines from the 1960s. The popularity of the 3-400Z was very short lived so it should be possible to find the article.

By the way, for those of you who don't have a good collection of the West Coast/Editors and Engineers/Orr handbook almost every edition is available for fast and free download at the excellent American Radio History site. The link below will take you to the handbooks but if you haven't explored the site do so (at your own risk of spending a LOT of time) because they also have a great selection of radio magazines including two of the best, Radio and also Radio News which later became Radio and Television News and finally decomposing into Electronics World near the end. The ever popular Popular Electronics issues are also there. Handbook link: http://americanradiohistory.com/Radio_Handbook.htm

This is by far the best reference resource site I have found on the web.

Rodger WQ9E

Dr. Rodger B. Singley
Professor of Marketing

> -----Original Message-----

> From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf

> Of Richard Knoppow via BoatAnchors

> Sent: Sunday, August 16, 2015 8:39 PM

> To: boatanchors at theporch.com

> Subject: Re: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)

>

> Since someone said this definitely came from an ARRL publication this

> may be pointless but the "Radio" handbook, edited for many years by
> Bill Orr had a lot of fairly complete plans for high power amplifiers.
> Also, I think Eimac published some sample designs. Might be interesting to
> research.
>
> On

From 1oldlens1 at ix.netcom.com Sun Aug 16 22:28:26 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Sun, 16 Aug 2015 19:28:26 -0700
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
In-Reply-To: <0DEBF1C8D8437248BE53CD4213B89BD322FFC7C5@ISUEMBX02.ad.ilstu.edu>
References: <55CFBE7D.9060902@kd5byb.net>
<4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>
<04400510-8993-4C5B-9987-416563E2EA8A@aol.com> <55D0B7AA.2040608@kd5byb.net>
<55D13B1E.8020505@ix.netcom.com>
<0DEBF1C8D8437248BE53CD4213B89BD322FFC7C5@ISUEMBX02.ad.ilstu.edu>
Message-ID: <55D146CA.1050409@ix.netcom.com>

I agree about ARH but don't forget the Tube Books site at:
<http://www.tubebooks.org/>

Another source but one requiring some care in writing search strings is <http://www.archive.org> This also has old radio and TV programs and much other stuff on it including a lot of those movies we were subjected to in grammar school with shots of combine harvesters in them.

On 8/16/2015 7:02 PM, Singley, Rodger wrote:

> Richard,
>
> I misunderstood which amp Ben owned and as I understand it now his is different and is not the one in the ARRL handbook or in any of their SSB handbooks. But adding to the mystery I have the Editors and Engineers/Orr/West Coast handbooks and I couldn't find it in any of them either. I asked Ben to send me a scan of the front page of what he has and maybe a photo of the amp to try and run it down since I have Ham Radio and 73 magazine complete runs as digital copies and I have most of the printed CQ magazines from the 1960s. The popularity of the 3-400Z was very short lived so it should be possible to find the article.
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end. The ever popular Popular Electronics issues are also there. Handbook link:
http://americanradiohistory.com/Radio_Handbook.htm

>
> This is by far the best reference resource site I have found on the web.

>
> Rodger WQ9E
>
> Dr. Rodger B. Singley
> Professor of Marketing
>

>> -----Original Message-----

>> From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf
>> Of Richard Knoppow via BoatAnchors
>> Sent: Sunday, August 16, 2015 8:39 PM
>> To: boatanchors at theporch.com
>> Subject: Re: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)

>>
>> Since someone said this definitely came from an ARRL publication this
>> may be pointless but the "Radio" handbook, edited for many years by
>> Bill Orr had a lot of fairly complete plans for high power amplifiers.
>> Also, I think Eimac published some sample designs. Might be interesting to
>> research.

>>
>> On

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From w7qho at aol.com Mon Aug 17 00:43:51 2015
From: w7qho at aol.com (Dennis DuVall1)
Date: Sun, 16 Aug 2015 21:43:51 -0700
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
In-Reply-To: <55D146CA.1050409@ix.netcom.com>
References: <55CFBE7D.9060902@kd5byb.net>
<4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>
<04400510-8993-4C5B-9987-416563E2EA8A@aol.com> <55D0B7AA.2040608@kd5byb.net>
<55D13B1E.8020505@ix.netcom.com>
<0DEBF1C8D8437248BE53CD4213B89BD322FFC7C5@ISUEMBX02.ad.ilstu.edu>
<55D146CA.1050409@ix.netcom.com>
Message-ID: <4A892CF4-EA29-452A-AD4B-BD98FE70F4BB@aol.com>

Roger, Richard,

A bit more information would be useful here. Grid driven or GG? Is the gentleman

having trouble getting the amp to work or just wants the writeup /origins of the of the original design for his files? Single 3-400Z so would suspect GG. Can't be very complex and a little reverse engineering along with study of the ?classic? circuit shown in the ARRL pubs should be enough to get the thing running. Could have been a ham project made up from information and ideas gleaned from multiple sources. The 3-1000Z amp I built 30 years ago and am still using today was that kind of a project.

The 3-400Z shorter than the (later?) 3-500Z. Used in at least one commercial amp (Henry?) apparently to allow for a sleeker cabinet profile.

Anyway, good luck.

Dennis D. W7QHO
Glendale, CA

> On Aug 16, 2015, at 7:28 PM, Richard Knoppow via BoatAnchors <boatanchors at theporch.com> wrote:

>

> I agree about ARH but don't forget the Tube Books site at: <http://www.tubebooks.org/> <<http://www.tubebooks.org/>>

>

> Another source but one requiring some care in writing search strings is <http://www.archive.org> <<http://www.archive.org>> This also has old radio and TV programs and much other stuff on it including a lot of those movies we were subjected to in grammar school with shots of combine harvesters in them.

>

> On 8/16/2015 7:02 PM, Singley, Rodger wrote:

>> Richard,

>>

>> I misunderstood which amp Ben owned and as I understand it now his is different and is not the one in the ARRL handbook or in any of their SSB handbooks. But adding to the mystery I have the Editors and Engineers/Orr/West Coast handbooks and I couldn't find it in any of them either. I asked Ben to send me a scan of the front page of what he has and maybe a photo of the amp to try and run it down since I have Ham Radio and 73 magazine complete runs as digital copies and I have most of the printed CQ magazines from the 1960s. The popularity of the 3-400Z was very short lived so it should be possible to find the article.

>>

>> By the way, for those of you who don't have a good collection of the West Coast/Editors and Engineers/Orr handbook almost every edition is available for fast and free download at the excellent American Radio History site. The link below will take you to the handbooks but if you haven't explored the site do so (at your own risk of spending a LOT of time) because they also have a great selection of radio magazines including two of the best, Radio and also Radio News which later became Radio and Television News and finally decomposing into

Electronics World near the end. The ever popular Popular Electronics issues are also there. Handbook link: http://americanradiohistory.com/Radio_Handbook.htm

>>

>> This is by far the best reference resource site I have found on the web.

>>

>> Rodger WQ9E

>>

>> Dr. Rodger B. Singley

>> Professor of Marketing

>>

>>> -----Original Message-----

>>> From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf

>>> Of Richard Knoppow via BoatAnchors

>>> Sent: Sunday, August 16, 2015 8:39 PM

>>> To: boatanchors at theporch.com

>>> Subject: Re: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)

>>>

>>> Since someone said this definitely came from an ARRL publication this
>>> may be pointless but the "Radio" handbook, edited for many years by
>>> Bill Orr had a lot of fairly complete plans for high power amplifiers.
>>> Also, I think Eimac published some sample designs. Might be interesting to
>>> research.

>>>

>>> On

>

> --

> Richard Knoppow

> 1oldlens1 at ix.netcom.com <mailto:1oldlens1 at ix.netcom.com>

> WB6KBL

>

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com <mailto:BoatAnchors at theporch.com>

> <https://minime.theporch.com/mailman/listinfo/boatanchors> <<https://minime.theporch.com/mailman/listinfo/boatanchors>>

From rbsingl at ilstu.edu Mon Aug 17 06:45:07 2015

From: rbsingl at ilstu.edu (Singley, Rodger)

Date: Mon, 17 Aug 2015 10:45:07 +0000

Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)

In-Reply-To: <5BDEE4641B7647A88DC2608F55265DB4@WilsonPC>

References: <55CFBE7D.9060902@kd5byb.net>

<4D4EF613-09CD-418F-9CEF-53F13B33FCA9@aol.com>

<04400510-8993-4C5B-9987-416563E2EA8A@aol.com> <55D0B7AA.2040608@kd5byb.net>

<55D13B1E.8020505@ix.netcom.com>

<0DEBF1C8D8437248BE53CD4213B89BD322FFC7C5@ISUEMBX02.ad.ilstu.edu>

<5BDEE4641B7647A88DC2608F55265DB4@WilsonPC>

Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD322FFC80B@ISUEMBX02.ad.ilstu.edu>

Hi Wilson,

When I reread his email I interpreted it to mean the article he linked is a similar amp but was not the same as the amp and copied material he bought. I agree the linked article is straight out of the ARRL Handbook. But since the article for his clearly states "900 watts" in the title it sounds like it is not the same author/article as the commonly referenced, "A Compact 3-400Z Grounded Grid Amplifier" from the ARRL literature. If 900 watts was the legal limit for some other English speaking country in the 1960s then it is likely the article came from a foreign source since it is a rather odd rating and Eimac's data sheet shows typical operation at 1KW in their parameter tables. I agree these grounded grid amps are all very similar and an exact article isn't really necessary nor do all builders completely follow the original design anyway since parts on hand would commonly be substituted for those specified by the original builder.

I also have a Loudenboomer which is paired with a SX-117/HT-44 and it is a solid and very compact amplifier. I have seen two of them with damaged band switches, probably from shipping. If yours is damaged note that what they used is the readily available "tap switch" from a BC-375 transmitter. As you have probably noticed there is very little clearance between the 3-400Z plate cap and shield in this amplifier but it is sufficient. There is no way to use a 3-500Z without major physical modifications so if you like the amp keep an eye out for a spare 3-400Z or plan to perhaps convert to one of the Russian triodes in the future.

Rodger WQ9E

Dr. Rodger B. Singley
Professor of Marketing

> -----Original Message-----

> From: Wilson [mailto:infomet at embarqmail.com]

> Sent: Sunday, August 16, 2015 9:30 PM

> To: Singley, Rodger <rbsingl at ilstu.edu>

> Subject: Re: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)

>

> Why do you think its not ARRL? The article he has is clearly ARRL. Did he say
> the amp doesn't match the article?

> Anyhow, it's dirt simple and documentation is not really needed. I have a
> Loudenboomer, almost exactly the same, which I hope to fire up this winter.

> 73,

> Wilson

> W4BOH

From kd5byb at kd5byb.net Mon Aug 17 07:36:03 2015

From: kd5byb at kd5byb.net (kd5byb at kd5byb.net)

Date: Mon, 17 Aug 2015 04:36:03 -0700

Subject: [BoatAnchors]

=?utf-8?q?3-400Z_900_watt_amp_-_1960=27s_Handbook?=-

=?utf-8?b?PyAobW9yZSk=?=

Message-ID:

<20150817043603.221753b8912a6762b1021bc254014d1d.0aa48b359c.wbe@email06.secureserv
er.net>

Good morning all,

Looks like I've caused some confusion - sorry about that! I do have a paper copy of the exact article my amp was built from - the problem is that it isn't a really great photocopy and some of the schematic designations aren't real clear. Yes...the schematic is fairly simple, but being slightly mental I need to have the exact value. ;) So I was hoping to identify what book it came from so I could purchase a copy. Plus, it would be interesting to read the rest of the book to get a feel for what was going on in those days.

I meant to grab the article on the way out the door this morning so I could scan it (writing this from work) but forgot.

The article I linked to was not my amp - but a very similar one. More importantly, it was the same exact page size, layout, and type face. So I was hoping someone would recognize it and say that it was from either the ARRL handbook of the time or one of the other handbooks.

Another member noted he's found the same article in, IIRC, a 1970 SSB handbook and the 1968 Handbook. The e-place had one of the 1970 SSB handbooks for a few bucks so its on its way to me. Interestingly, the 1968 handbooks were way more expensive on the e-place. I need to try some of the used book places.

thanks much and 73,
ben, kd5byb

----- Original Message -----

Subject: Re: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)

Date: Mon, August 17, 2015 5:45 am

When I reread his email I interpreted it to mean the article he linked is a similar amp but was not the same as the amp and copied material he bought. I agree the linked article is straight out of the ARRL Handbook. But since the article for his clearly states "900 watts" in the title it sounds like it is not the same author/article as the commonly referenced, "A Compact 3-400Z Grounded Grid Amplifier" from the ARRL literature.

From rbsingl at ilstu.edu Mon Aug 17 07:45:55 2015
From: rbsingl at ilstu.edu (Singley, Rodger)
Date: Mon, 17 Aug 2015 11:45:55 +0000
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
In-Reply-To:
<20150817043603.221753b8912a6762b1021bc254014d1d.0aa48b359c.wbe@email06.secureserv
er.net>
References:
<20150817043603.221753b8912a6762b1021bc254014d1d.0aa48b359c.wbe@email06.secureserv
er.net>
Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD322FFC868@ISUEMBX02.ad.ilstu.edu>

Ben,

The 1970 ARRL SSB handbook has the 3-500Z version of the article you attached in your original post. By the way this book and an earlier 1950s edition are both available for free PDF download in case you don't want to wait for your purchased copy to arrive, search for: "single sideband for the radio amateur" pdf and you will find links to the 1954 and 1970 editions.

Rodger

Dr. Rodger B. Singley
Professor of Marketing

> -----Original Message-----
> From: kd5byb at kd5byb.net [mailto:kd5byb at kd5byb.net]
> Sent: Monday, August 17, 2015 6:36 AM
> To: Singley, Rodger <rbsingl at ilstu.edu>; Wilson
> <infomet at embarqmail.com>
> Cc: Old Tube Radios (boatanchors at theporch.com)
> <boatanchors at theporch.com>
> Subject: RE: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
>
> Good morning all,
>
> Looks like I've caused some confusion - sorry about that! I do have a paper
> copy of the exact article my amp was built from - the problem is that it isn't a
> really great photocopy and some of the schematic designations aren't real
> clear. Yes...the schematic is fairly simple, but being slightly mental I need to
> have the exact value. ;) So I was hoping to identify what book it came from
> so I could purchase a copy.
> Plus, it would be interesting to read the rest of the book to get a feel for
> what was going on in those days.
>
> I meant to grab the article on the way out the door this morning so I could

> scan it (writing this from work) but forgot.
>
> The article I linked to was not my amp - but a very similar one. More
> importantly, it was the same exact page size, layout, and type face. So I was
> hoping someone would recognize it and say that it was from either the ARRL
> handbook of the time or one of the other handbooks.
>
> Another member noted he's found the same article in, IIRC, a 1970 SSB
> handbook and the 1968 Handbook. The e-place had one of the 1970 SSB
> handbooks for a few bucks so its on its way to me. Interestingly, the
> 1968 handbooks were way more expensive on the e-place. I need to try
> some of the used book places.
>
> thanks much and 73,
> ben, kd5byb
>
> ----- Original Message -----
> Subject: Re: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
> Date: Mon, August 17, 2015 5:45 am
>
> When I reread his email I interpreted it to mean the article he linked is a
> similar amp but was not the same as the amp and copied material he bought.
> I agree the linked article is straight out of the ARRL Handbook.
> But since the article for his clearly states "900 watts" in the title it sounds
like
> it is not the same author/article as the commonly referenced, "A Compact 3-
> 400Z Grounded Grid Amplifier" from the ARRL literature.

From kd5byb at kd5byb.net Mon Aug 17 18:58:26 2015
From: kd5byb at kd5byb.net (Ben Hall)
Date: Mon, 17 Aug 2015 17:58:26 -0500
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
In-Reply-To: <0DEBF1C8D8437248BE53CD4213B89BD322FFC868@ISUEMBX02.ad.ilstu.edu>
References:
<20150817043603.221753b8912a6762b1021bc254014d1d.0aa48b359c.wbe@email06.secureserv
er.net>
<0DEBF1C8D8437248BE53CD4213B89BD322FFC868@ISUEMBX02.ad.ilstu.edu>
Message-ID: <55D26712.5030009@kd5byb.net>

Good evening all,

Some more on the amp. First...a photo of the unit. Because it is
raining here today, it was taken in the garage so it's no "glamor shot",
ha! ;)

<http://www.kd5byb.net/900wattamp/900_watt_amp.jpg>

Second, here's a scan of the photocopy of the article that the amp was

built from.

<http://www.kd5byb.net/900wattamp/900_watt_amp.pdf>

The scan is actually a pretty good representation of the paper copy I have...hence the desire to get my hands on the original publication it was in.

It is similar to the 900-watt unit shown in the 1970 SSB Handbook, but in my unit, the power supply is integral to the unit, not separated from the unit, and there are some other differences.

It's hard to tell in the photo, but I've got a ton of clearance between the plate cap on the tube and anything inside, so a tube substitution to something taller is very easy. :)

thanks much and 73,
ben, kd5byb

From ken at w2krh.com Tue Aug 18 12:59:41 2015
From: ken at w2krh.com (Ken Hall)
Date: Tue, 18 Aug 2015 12:59:41 -0400
Subject: [BoatAnchors] 3-400Z 900 watt amp - 1960's Handbook? (more)
Message-ID: <55D3647D.3010807@w2krh.com>

Ben,

Just a shot in the dark but have you considered some edition of:

Single-sideband communications handbook (A Howard W.
Sams photofact publication)
<<http://www.abebooks.com/servlet/BookDetailsPL?bi=7995419916&searchurl=kn%3Dsingle+sideband%26sts%3Dt>>

I've looked but was unable to find a viewable online copy.

Both the JPG and PDF were quite viewable/readable.

73,
Ken
W2KRH*
*

> On 8/17/2015 6:58:26 PM, Ben Hall via BoatAnchors

(boatanchors at theporch.com) wrote:
> > Good evening all,
>
> Some more on the amp. First...a photo of the unit.
Because it is
> raining here today, it was taken in the garage so it's no
"glamor shot",
> ha! ;)
>
> <http://www.kd5byb.net/900wattamp/900_watt_amp.jpg>
>
> Second, here's a scan of the photocopy of the article
that the amp was
> built from.
>
> <http://www.kd5byb.net/900wattamp/900_watt_amp.pdf>
>
> The scan is actually a pretty good representation of the
paper copy I
> have...hence the desire to get my hands on the original
publication it
> was in.
>
> It is similar to the 900-watt unit shown in the 1970 SSB
Handbook, but
> in my unit, the power supply is integral to the unit, not
separated from
> the unit, and there are some other differences.
>
> It's hard to tell in the photo, but I've got a ton of
clearance between
> the plate cap on the tube and anything inside, so a tube
substitution to
> something taller is very easy. :)
>
> thanks much and 73,
> ben, kd5byb
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>
>
> -----
> No virus found in this message.
> Checked by AVG -
--
*"Democracy is two wolves and a lamb voting on what to have

for lunch. Liberty is a well-armed lamb contesting the vote"
- Benjamin Franklin*

From arc5 at ix.netcom.com Wed Aug 19 15:21:10 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 19 Aug 2015 14:21:10 -0500
Subject: [BoatAnchors] Shipping: Gotta Vent
Message-ID: <EEA971C3141848478AA09A4E7DFFB614@DaddyPC>

Trying to ship a lousy 14 pound package from Texas
to Virginia via USPS. 14 lbs.... 18x14x4.
Not an ART-13 or an AR-88.
They want almost \$50!!
Weeping, creeping, jumping Jehoshaphat!

No way UPS. They recently put a fork-lift tine through
a Harvey Wells transmitter for me.
They made good but I'd rather have had the transmitter.

Better go check Fed-Ex. Thanks for the "vent time."

Dave AB5S

From arc5 at ix.netcom.com Thu Aug 20 08:38:55 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 20 Aug 2015 07:38:55 -0500
Subject: [BoatAnchors] Shipping: Gotta Vent
Message-ID: <AB832FF82FCA48E89A69F2A9A533AE5D@DaddyPC>

Thank you all for your insights and suggestions. The rate
that bugged my eyes was the \$48 one, and I didn't check
any "Fragile" button- didn't see one. Needed to get the
package on the road so gave it to USPS at Standard.

From wwatson5 at sbcglobal.net Mon Aug 24 00:54:29 2015
From: wwatson5 at sbcglobal.net (William Watson)
Date: Mon, 24 Aug 2015 04:54:29 +0000 (UTC)
Subject: [BoatAnchors] Ocean Hopper Comments and a Trading Proposal
Message-ID: <1149658356.677311.1440392069013.JavaMail.yahoo@mail.yahoo.com>

The popular Ocean Hopper radio kits offered by Allied Radio included the
following Ocean Hopper varieties (info from the Allied Radio catalogs of the years

shown)::

1946-1949???? 2-tube (12J5 and 117P7) version with black wrinkle finish panel, used 4-pin coils
1950--1953???? same 2-tube version with gray

"Hammerloid" (Hammertone) front panel
1954--???????????? beginning of 3-tube (miniature tube) versions, used 5-pin coils

I ordered my Ocean Hopper kit from the 1950 catalog; therefore, it was the 2-tube version, with the gray panel. Worked great!! This was my first shortwave radio. I would like very much to find one of these, like the one I assembled---the 2-tube version with the gray panel. If anyone has one they would be willing to sell, please contact me at wwatson5 at sbcglobal.net

I have one of the 2-tube versions with the black wrinkle panel. Panel is in very nice condition. I would be interested in trading this radio for a 2-tube gray panel unit, if anyone would be interested in such a trade.

Incidentally, the 2-tube versions could be bought new for less than \$20, with a complete set of coils.

Thanks.

Joe Watson W5WBR

From pekelney at rspeng.com Mon Aug 24 10:45:23 2015

From: pekelney at rspeng.com (richard pekelney)

Date: Mon, 24 Aug 2015 07:45:23 -0700

Subject: [BoatAnchors] portable battery boxes

Message-ID: <55747292-7E34-4788-A9DB-AD82CACCC1304@rspeng.com>

I am one of the crew restoring USS Pampanito, a WW II submarine museum and memorial in San Francisco (<http://maritime.org>). FYI, all the radio room gear has been operated at least once during the museum era (<http://maritime.org/tech/radiocat/index.htm>). Most of it was restored by Tom Horsfall.

I am writing today to ask for help finding an appropriate portable battery supply for our 5" 25 cal wet mount gun (<http://maritime.org/pres/fiveinch>). The gun has two waterproof binoculars with 6 volt type 44 light bulbs that illuminate a reticle. The manual refers to a battery, but we do not have any photos or drawings of the supply. We are replicating the waterproof (down to 600 foot) lamp housings that fit on the binoculars from an example and drawings. So we guess that they had some type of waterproof plug/jack, and a portable not waterproof box held the batteries. You would want something quick to assemble once carried on deck and of course the plug that stayed with the gun had to survive salt water. It would make sense that they would have found a battery box used on some other equipment, but it is also possible they just had ring or spade terminals on the ends of the rubber jacket wire (think SO style). We just do not know.

Our best guess is a battery box something like a BX-4 that is part of a SCR-178. It is small enough to easily carry up from below when needed and would keep a couple of lights going for a really long time. A pigtail that would plug into the

box and would have two jacks for the watertight plugs. Again this is a WAG.

What is your best guess? What other commonly available in 1944/1945 equipment had a separate small battery box?

rich

From dave at horsfall.org Mon Aug 24 12:34:21 2015
From: dave at horsfall.org (Dave Horsfall)
Date: Tue, 25 Aug 2015 02:34:21 +1000 (EST)
Subject: [BoatAnchors] portable battery boxes
In-Reply-To: <55747292-7E34-4788-A9DB-AD82CACC1304@rspeng.com>
References: <55747292-7E34-4788-A9DB-AD82CACC1304@rspeng.com>
Message-ID: <alpine.BSF.2.11.1508250232480.838@aneurin.horsfall.org>

On Mon, 24 Aug 2015, richard pekelney via BoatAnchors wrote:

> FYI, all the radio room gear has been operated at least once during the
> museum era (<http://maritime.org/tech/radiocat/index.htm>). Most of it
> was restored by Tom Horsfall.

I had to blink when I saw that name; no relation, as far as I know...

--

Dave Horsfall DTM (VK2KFU) "Those who don't understand security will suffer."
RIP Cecil the Lion; he was in pain for two days, thanks to some brave dentist.

From n7rk at cox.net Mon Aug 24 14:21:14 2015
From: n7rk at cox.net (Dave Hollander)
Date: Mon, 24 Aug 2015 11:21:14 -0700
Subject: [BoatAnchors] FS - 1928 Vibroplex Bug and Autronix Keyer Paddle
Message-ID: <55DB609A.4020905@cox.net>

A few vintage telegraph keys to use with your boatanchors.

Autronics Keyer Paddle - \$100 plus shipping
This is a single-lever paddle, produced by Electrophysics in the 1960's. This is in nice shape but does have a few paint chips which can be seen in the photos.

http://n7rk.com/radiostuff9/autronic_paddle.jpg
http://n7rk.com/radiostuff9/autronic_paddle4.jpg

1928 Vibroplex Original Bug - \$125 plus shipping
The serial number is 101387 dating this bug to 1928. This bug has a Japan base finish with pin stripes although the pin striping is very faded. This key appears to be complete and should clean up nicely.

<http://n7rk.com/radiostuff9/1927vibroplex.jpg>
<http://n7rk.com/radiostuff9/1927vibroplex3.jpg>

I will ship international.

Tnx for looking and 73,

Dave N7RK

From gumbear at pacbell.net Mon Aug 24 14:58:52 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Mon, 24 Aug 2015 11:58:52 -0700
Subject: [BoatAnchors] Ocean Hopper Comments and a Trading Proposal
In-Reply-To: <1149658356.677311.1440392069013.JavaMail.yahoo@mail.yahoo.com>
References: <1149658356.677311.1440392069013.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <38768777C76C430892780EC9E6587D4B@KB6NAX>

> The popular Ocean Hopper radio kits offered by Allied Radio included
>

The name "Ocean Hopper" awakens memories of my first misbegotten experience in radio electronics. My 8th grade year in grammar school was also the first year for a new teacher who was a renegade from newspaper reporting. He fancied himself rather a man for all seasons. He thought he was something of a science teacher. A couple of buddies and I brought up the subject of ham radio and the new teacher jumped on it. Shortly thereafter an Allied Radio Ocean Hopper kit was on its way to our new amateur radio studies project. But all was to become naught. "Teach" hadn't the foggiest idea how to get the group of rambunctious screw-ups that we were to settle down and cooperatively build the kit. It also took nearly an act of Congress to get a "dangerous" soldering iron into the classroom. When we finally acquired an iron the kit was already missing a few parts. The Ocean Hopper was never completed. What remained of it ended up in a cardboard box stashed in the anteroom. "Teach" lasted one more year before he was given the boot, unsurprisingly. My disenchantment with the educational system proceeded from that point on.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From franklin6209 at att.net Tue Aug 25 09:05:17 2015
From: franklin6209 at att.net (Gary Franklin)
Date: Tue, 25 Aug 2015 09:05:17 -0400
Subject: [BoatAnchors] AM reception Collins 51-S1
Message-ID: <55DC680D.1010403@att.net>

Having a problem receiving AM on my 51S-1. When in the AM mode I have to tune off about 5kc from the AM stations actual frequency to get best reception. The volume drops dramatically and I need to practically turn the AF gain to full output. This receiver does not have a mechanical filter. T14 and T15 make up the AM filter. SSB works fine. Suggestions?

Gary

From wb3fau55 at neo.rr.com Tue Aug 25 15:54:40 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Tue, 25 Aug 2015 15:54:40 -0400
Subject: [BoatAnchors] Ocean Hopper Comments and a Trading Proposal
In-Reply-To: <38768777C76C430892780EC9E6587D4B@KB6NAX>
Message-ID: <20150825195441.9T694.881.root@cdptpa-web26>

Arden, it is worth reminiscing about these days. Here, I graduated Tech school in 1973. We had Electronics for half of the day, either morning or afternoon. It was a 3 year event. 1st 2 years I had an old timer who really knew his theory. Unfortunately, My senior year was a waste of time as the new teacher knew nearly nothing. Sad for me because I had already learned a lot. My education was based on a Philco program, very intense. 73s Russ. Arden Allen via BoatAnchors <boatanchors at theporch.com> wrote:
> > The popular Ocean Hopper radio kits offered by Allied Radio included
>

The name "Ocean Hopper" awakens memories of my first misbegotten experience in radio electronics. My 8th grade year in grammar school was also the first year for a new teacher who was a renegade from newspaper reporting. He fancied himself rather a man for all seasons. He thought he was something of a science teacher. A couple of buddies and I brought up the subject of ham radio and the new teacher jumped on it. Shortly thereafter an Allied Radio Ocean Hopper kit was on its way to our new amateur radio studies project. But all was to become naught. "Teach" hadn't the foggiest idea how to get the group of rambunctious screw-ups that we were to settle down and cooperatively build the kit. It also took nearly an act of Congress to get a "dangerous" soldering iron into the classroom. When we

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He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From k9fd at flex.com Tue Aug 25 20:21:14 2015
From: k9fd at flex.com (Merv Schweigert)
Date: Tue, 25 Aug 2015 14:21:14 -1000
Subject: [BoatAnchors] Ocean Hopper Comments and a Trading Proposal
In-Reply-To: <20150825195441.9T694.881.root@cdptpa-web26>
References: <20150825195441.9T694.881.root@cdptpa-web26>
Message-ID: <55DD067A.3040904@flex.com>

My first receiver was an Ocean Hopper in 1960, single 6L6 home brew tranny. long wire antenna, worked almost a whole novice year with those. I moved the tuning caps around, put the band set where the band spread was and the band spread in the center and added a Japanese vernier dial, made tuning much easier. Have a few Hoppers around here yet, also a new in the box set of coils. and a number of coils and coil forms. at 71 probably time to shed some of that stuff.

73 Merv K9FD/KH6

> Arden, it is worth reminiscing about these days. Here, I graduated Tech school in 1973. We had Electronics for half of the day, either morning or afternoon. It was a 3 year event. 1st 2 years I had an old timer who really knew his theory. Unfortunately, My senior year was a waste of time as the new teacher knew nearly nothing. Sad for me because I had already learned a lot.

> My education was based on a Philco program, very intense. 73s Russ. Arden Allen via BoatAnchors <boatanchors at theporch.com> wrote:
>>> The popular Ocean Hopper radio kits offered by Allied Radio included
>>
>

From gsantacana at gmail.com Sat Aug 29 12:03:50 2015
From: gsantacana at gmail.com (Guido Santacana)
Date: Sat, 29 Aug 2015 12:03:50 -0400
Subject: [BoatAnchors] Second Generation BAs?
Message-ID: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>

The Readers Digest RDA-127 came along well and is now sounding as good as new. I was able to locate the site where the loose red wire was originally soldered. At almost 9 pounds with batteries and by today's standards this type of multiband radio from the Cold War period should be considered part of the second generation of BAs. Just look at a Zenith Transoceanic Royal 7000 D, with the batteries this set reaches almost 20 pounds. We do have our hybrids like the R1051 and I am sure that there are a lot of 1970s and 80s transistorized military sets that reach the upper levels of weight. The Russian R326M is such a set. A BA by all definitions but completely solid state. The Chinese 339 set is another example with germanium transistors. Maybe, it's time to start saving this second generation BAs.

Best 73s

Guido Santacana KP4FAR

Sent from my iPad

From gumbear at pacbell.net Sat Aug 29 14:47:29 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Sat, 29 Aug 2015 11:47:29 -0700
Subject: [BoatAnchors] Second Generation BAs?
In-Reply-To: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>
References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>
Message-ID: <05C838662852448584EA3AFDDC2D0267@KB6NAX>

>Maybe, it's time to start saving this second generation BAs.

While interest in solid state has been considered sacrilege here on BA I've had just as much fun fixing up transistorized stuff. So I say let the underground thrive! ;-)

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From kb8tad at gmail.com Sat Aug 29 15:27:17 2015
From: kb8tad at gmail.com (Rich Post)
Date: Sat, 29 Aug 2015 15:27:17 -0400
Subject: [BoatAnchors] Second Generation BAs?
In-Reply-To: <05C838662852448584EA3AFDDC2D0267@KB6NAX>
References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>
<05C838662852448584EA3AFDDC2D0267@KB6NAX>
Message-ID: <CAEJr0FvwRmPONwt2XG4qNL3wuJ2siwG+foPAatEY0JP0NuycnA@mail.gmail.com>

Hi Guido (and Arden),

You're not the only one who appreciates those big box soiled (SIC) state
sets. Check the bottom of the page via this link to one of my favorites.

<<http://www.ohio.edu/people/posstr/bapix/CrysCal.htm>>

73 de Rich KB8TAD

.....Maybe, it's time to start saving this second generation BAs
>
>

From gsantacana at gmail.com Sat Aug 29 19:41:53 2015
From: gsantacana at gmail.com (Guido Santacana)
Date: Sat, 29 Aug 2015 19:41:53 -0400
Subject: [BoatAnchors] Second Generation BAs?
In-Reply-To: <05C838662852448584EA3AFDDC2D0267@KB6NAX>
References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>
<05C838662852448584EA3AFDDC2D0267@KB6NAX>
Message-ID: <2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>

I used to never even look at solid state rigs until a few years ago when I started
with a Realistic DX302 that had a bad RF amp. After that I have done quite a few
and it has been fun as long as my desoldering tool works ok. The most difficult
one was finding a meter amplifier germanium transistor in a military chinese set
using a blueprint schematic with very little written in english. The other part
was finding a substitute but luckily Russian transistors work just as well.

On solid state transistorized rigs that are 40+ years old my recommendation is to replace all electrolytics as you would replace all paper caps in a tube BA. It restores the life of the set. Unfortunately sometimes you will find that a transistor that was marginal, especially germanium ones, will just go completely after new caps are in. It rarely happens but I have seen it. My statistics on bad electrolytics in these old rigs is more than 80%.

Rich's multiband looks like one of the high end ones. One thing is for sure. Some of them are really colorful.

Well... Back to the good ol BAs. My next project on the bench is maintenance for my NC240D one of my favorites.

73s

Guido Santacana KP4FAR

Sent from my iPad

On Aug 29, 2015, at 2:47 PM, "Arden Allen" <gumbear at pacbell.net> wrote:

>>Maybe, it's time to start saving this second generation BAs.
>
> While interest in solid state has been considered sacrilege here on BA I've had just as much fun fixing up transistorized stuff. So I say let the underground thrive! ;-)
>
> Arden Allen
> KB6NAX
>
> He who is cruel to animals becomes
> hard also in his dealings with men.
> We can judge the heart of a man by
> his treatment of animals.
> ?Immanuel Kant

From vilgotch at bigpond.net.au Sat Aug 29 20:58:35 2015
From: vilgotch at bigpond.net.au (Morris Odell)
Date: Sun, 30 Aug 2015 10:58:35 +1000
Subject: [BoatAnchors] Second Generation BAs?
In-Reply-To: <2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>
References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>
<05C838662852448584EA3AFDDC2D0267@KB6NAX>
<2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>
Message-ID: <000101d0e2be\$fff08200\$ffd18600\$@bigpond.net.au>

Guido wrote:

> I used to never even look at solid state rigs until a few years ago
After that I have done quite a few and it has been fun

<snip>

I've found the skills I've sharpened on real BAs to be invaluable when working on solid state or hybrid gear. Lots of classic Tek scopes have silicon in places other than vacuum retainers!

The most interesting experience was with a beautiful Schaub Lorenz German multi band long and short wave radio. It had a device called a "Stabilyt" that was a miniature NiCad cell, used to set internal bias levels. It was, of course, completely expired so the radio was dead too. Replacing it with a couple of silicon diodes fixed it. Interestingly I first heard of that device in 1960 when my grade 6 teacher who got me interested in electronics mentioned that he found one in a radio and didn't know what it was. Neither did anyone else he knew. These days we have the internet to help us!

73 de Morris VK3DOC

From wb3fau55 at neo.rr.com Sun Aug 30 10:37:46 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sun, 30 Aug 2015 10:37:46 -0400
Subject: [BoatAnchors] Hammarlund HQ-120-speaker- UPS shipped!
Message-ID: <20150830143746.AWTS7.79951.root@cdptpa-web03>

Guys I just received a HQ-120 and speaker. it came via UPS, I was really worried, as I have heard lately of problems with non replaceable gear. A HQ-120 may not be real rare, but old enough for concern. So I am here to report safe shipment from Wisc. To Penna. So maybe you should report of damage and things will improve?

The receiver is complete, the usual dust and dirt, but no rust or corrosion. I see they were made from 1938 to '44? I do need a copy of the manual and schematic. Can anyone do this? or send it to me to copy? or I can pay for this. Let me know, 73s Russ in Erie, wb3fau.

From anchor at ec.rr.com Sun Aug 30 10:45:13 2015
From: anchor at ec.rr.com (Al Parker)
Date: Sun, 30 Aug 2015 10:45:13 -0400
Subject: [BoatAnchors] Hammarlund HQ-120-speaker- UPS shipped!
In-Reply-To: <20150830143746.AWTS7.79951.root@cdptpa-web03>
References: <20150830143746.AWTS7.79951.root@cdptpa-web03>
Message-ID: <55E316F9.1090206@ec.rr.com>

Hi Russ,

We have a manual on the Hammarlund Historian website, for free download. I hope it helps.

<<http://www.hammarlund.info/hammanu.html>>

73,

Al, W8UT

www.boatanchors.org

www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much worth doing as simply messing about in boats"

Ratty, to Mole

On 8/30/2015 10:37 AM, Russ Dworakowski WB3FAU via BoatAnchors wrote:

> Guys I just received a HQ-120 and speaker. it came via UPS, I was really worried, as I have heard lately of problems with non replaceable gear. A HQ-120 may not be real rare, but old enough for concern. So I am here to report safe shipment from Wisc. To Penna. So maybe you should report of damage and things will improve?

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> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From anchor at ec.rr.com Sun Aug 30 10:46:37 2015

From: anchor at ec.rr.com (Al Parker)

Date: Sun, 30 Aug 2015 10:46:37 -0400

Subject: [BoatAnchors] Hammarlund HQ-120-speaker- UPS shipped!

In-Reply-To: <20150830143746.AWTS7.79951.root@cdptpa-web03>

References: <20150830143746.AWTS7.79951.root@cdptpa-web03>

Message-ID: <55E3174D.4000905@ec.rr.com>

I should have mentioned, it came from BAMA to us, so can be found there also.

Al, W8UT

www.boatanchors.org

www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much worth doing as simply messing about in boats"

Ratty, to Mole

On 8/30/2015 10:37 AM, Russ Dworakowski WB3FAU via BoatAnchors wrote:

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> The receiver is complete, the usual dust and dirt, but no rust or corrosion. I see they were made from 1938 to '44? I do need a copy of the manual and schematic. Can anyone do this? or send it to me to copy? or I can pay for this. Let me know, 73s Russ in Erie, wb3fau.

> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From gumbear at pacbell.net Sun Aug 30 12:55:28 2015

From: gumbear at pacbell.net (Arden Allen)

Date: Sun, 30 Aug 2015 09:55:28 -0700

Subject: [BoatAnchors] Second Generation BAs?

In-Reply-To: <2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>

References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>

<05C838662852448584EA3AFDDC2D0267@KB6NAX>

<2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>

Message-ID: <C010F130F58447A3994638783FA3D3B2@KB6NAX>

>My statistics on bad electrolytics in these old rigs is more
> than 80%.

Electrolytic capacitors encased in cardboard or plastic sleeves were common before aluminum cased capacitors from Japan became the de facto standard type. My practice is to check in circuit ESR on all electrolytics regardless of age of the equipment. Completely open and high ESR in paper and plastic enclosed types is almost universal and not terribly uncommon in the aluminum types. Reforming of low voltage types rarely fails as there is so little heat being generated. Allow some time for caps to reform before jumping to conclusions as to the cause of problems.

Germanium transistors going flakey gives headaches so a transistor tester that measures current gain (beta) and leakage not only confirms failing parts but also screens replacement candidates. Silicon types rarely have leakage issues and when bad are usually dead shorted or open circuited.

Arden Allen

KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From 1oldlens1 at ix.netcom.com Sun Aug 30 14:25:44 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Sun, 30 Aug 2015 11:25:44 -0700
Subject: [BoatAnchors] Dumont 403A Scope
Message-ID: <55E34AA8.7050208@ix.netcom.com>

I came home with a Dumont 403-A oscillograph (that's what Dumont called them) from the TRW swap meet yesterday. I paid a token price for it, \$10. After some tweeking and checking I found it works. It does not appear to have had any attention since it was built. There are some definite signs that the capacitors need to be replaced, as would be expected in something over sixty years old. The main symptom is that the horizontal amplifier is non-linear which, of course, makes the sweep non-linear too. This scope was evidently built about the mid 1950s, a good ten years after Tektronix began building rather more sophisticated scopes, but it has a triggered sweep. It is very heavy compared to my non-working Heathkit O-12. BTW, I need a power transformer for the O-12. If anyone has one please contact me. Mine worked when I first took it out of storage but after a while the transformer developed a short in the medium high voltage winding. Not from bad filter caps, something else happened to it. Long storage is not good for this stuff.

I would be nice to hear from anyone else who has either of these scopes, especially the Dumont.

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From 1oldlens1 at ix.netcom.com Sun Aug 30 14:38:13 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Sun, 30 Aug 2015 11:38:13 -0700
Subject: [BoatAnchors] Hammarlund HQ-120-speaker- UPS shipped!
In-Reply-To: <55E316F9.1090206@ec.rr.com>
References: <20150830143746.AWTS7.79951.root@cdptpa-web03>
<55E316F9.1090206@ec.rr.com>

Message-ID: <55E34D95.4010701@ix.netcom.com>

Be aware that the manual does not tell you that the top band (maybe the top two) have the local oscillator below the carrier. If you set it up the other way you will not be able to get it to track and the calibration will be off. The HQ-120-X is the same. It is very helpful to have a sweeper to set up the IFs in both receivers because a couple of the transformers are overcoupled. They will not work right if simply peaked. Both have nearly flat-topped pass bands with the crystal out, about 7 KHz. The skirts are steeper than in most receivers of this type because of the overcoupling and having three IF stages. Despite the old type tubes they have surprisingly good performance and are well compensated for temperature for receivers of this vintage.

The patented Hamarlund crystal filter was introduced in the HQ-120-X. It is the best of the bunch. It is designed so that the center frequency stays the same with change in bandwidth and it has a very effective notch filter. Hammarlund later used it in the SP-200-X and in some later receivers like the SP-600-JX. Versions are also to be found in the Collins A line receivers and the 51J series as well as the TMC GPR-90.

I have an HQ-120-X that needs new dials. The old ones have delaminated. Maybe someone has a couple to spare.

Most of the speakers supplied with the HQ-120-X are Jensens, they are of very good quality. If yours is scratchy (rubbing voice coil) it can be easy to fix if the coil has not been burned. The receiver has quite good audio quality.

On 8/30/2015 7:45 AM, Al Parker via BoatAnchors wrote:

> Hi Russ,

> We have a manual on the Hammarlund Historian website, for free
> download. I hope it helps.

> <<http://www.hammarlund.info/hamrmanu.html>>

> 73,

>

> Al, W8UT

> www.boatanchors.org

> www.hammarlund.info

>

> "There is nothing -- absolutely nothing -- half so much

> worth doing as simply messing about in boats"

> Ratty, to Mole

>

> On 8/30/2015 10:37 AM, Russ Dworakowski WB3FAU via BoatAnchors wrote:

>> Guys I just received a HQ-120 and speaker. it came via UPS, I was

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>> replaceable gear. A HQ-120 may not be real rare, but old enough for

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>> of the manual and schematic. Can anyone do this? or send it to me
>> to copy? or I can pay for this. Let me know, 73s Russ in Erie, wb3fau.

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> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From gsantacana at gmail.com Sun Aug 30 18:16:10 2015
From: gsantacana at gmail.com (Guido Santacana)
Date: Sun, 30 Aug 2015 18:16:10 -0400
Subject: [BoatAnchors] Second Generation BAs?
In-Reply-To: <C010F130F58447A3994638783FA3D3B2@KB6NAX>
References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>
<05C838662852448584EA3AFDDC2D0267@KB6NAX>
<2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>
<C010F130F58447A3994638783FA3D3B2@KB6NAX>
Message-ID: <23709AF9-7FBC-48CC-8907-68A8F8D777A0@gmail.com>

Except for paper caps and old electrolytics in BAs, I always give a chance to electrolytics in old transistor sets by trying to allow them to reform. Nonetheless and in some very old and unused solid state gear, a lot of the caps are marginal or gone as measured by the ESR tester. In some of them that test more or less ok in the ESR, the values have changed a lot. Just recently I recapped a Realistic DX150A, about 40++ years old. The difference was quite noticeable and a lot of old caps failed the ESR. On the other hand I had a different experience with a multiband made in Taiwan back in the late 60s. After running it for quite a while, the radio gained both volume and sensitivity. The caps passed the ESR test well and I left them there. It seems that it all depends on the quality of the caps. The type of electrolytics in this radio were Michicon or something like that. So they must be given a chance.

73s

Guido Santacana KP4FAR

Sent from my iPad

On Aug 30, 2015, at 12:55 PM, "Arden Allen" <gumbear at pacbell.net> wrote:

>>My statistics on bad electrolytics in these old rigs is more than 80%.

>

> Electrolytic capacitors encased in cardboard or plastic sleeves were common before aluminum cased capacitors from Japan became the de facto standard type. My practice is to check in circuit ESR on all electrolytics regardless of age of the equipment. Completely open and high ESR in paper and plastic enclosed types is almost universal and not terribly uncommon in the aluminum types. Reforming of low voltage types rarely fails as there is so little heat being generated. Allow some time for caps to reform before jumping to conclusions as to the cause of problems.

>

> Germanium transistors going flakey gives headaches so a transistor tester that measures current gain (beta) and leakage not only confirms failing parts but also screens replacement candidates. Silicon types rarely have leakage issues and when bad are usually dead shorted or open circuited.

>

> Arden Allen

> KB6NAX

>

> He who is cruel to animals becomes
> hard also in his dealings with men.
> We can judge the heart of a man by
> his treatment of animals.
> ?Immanuel Kant

>

>

From spr at earthlink.net Sun Aug 30 18:28:40 2015

From: spr at earthlink.net (Scott Robinson)

Date: Sun, 30 Aug 2015 15:28:40 -0700

Subject: [BoatAnchors] Second Generation BAs?

In-Reply-To: <23709AF9-7FBC-48CC-8907-68A8F8D777A0@gmail.com>

References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>

<05C838662852448584EA3AFDDC2D0267@KB6NAX>

<2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>

<C010F130F58447A3994638783FA3D3B2@KB6NAX>

<23709AF9-7FBC-48CC-8907-68A8F8D777A0@gmail.com>

Message-ID: <55E38398.3080804@earthlink.net>

Folks,

My experience at work is that the following electrolytic cap manufacturers make the good stuff:

Nichicon
United Chemi-Con
Panasonic
probably Rubycon

Others, probably less good.

I will guarantee that all 'lytics are **not** created equal.

/scott

scott

On 8/30/15 3:16 PM, Guido Santacana via BoatAnchors wrote:

> Except for paper caps and old electrolytics in BAs, I always give a chance to electrolytics in old transistor sets by trying to allow them to reform.

Nonetheless and in some very old and unused solid state gear, a lot of the caps are marginal or gone as measured by the ESR tester. In some of them that test more or less ok in the ESR, the values have changed a lot. Just recently I recapped a Realistic DX150A, about 40++ years old. The difference was quite noticeable and a lot of old caps failed the ESR. On the other hand I had a different experience with a multiband made in Taiwan back in the late 60s. After running it for quite a while, the radio gained both volume and sensitivity. The caps passed the ESR test well and I left them there. It seems that it all depends on the quality of the caps. The type of electrolytics in this radio were Nichicon or something like that. So they must be given a chance.

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>

> Guido Santacana KP4FAR

>

> Sent from my iPad

>

> On Aug 30, 2015, at 12:55 PM, "Arden Allen" <gumbear at pacbell.net> wrote:

>

>>>My statistics on bad electrolytics in these old rigs is more than 80%.

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>>

> -----

> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From navy.radio at gmail.com Mon Aug 31 11:43:34 2015

From: navy.radio at gmail.com (Nick England)

Date: Mon, 31 Aug 2015 11:43:34 -0400

Subject: [BoatAnchors] Shelby NC hamfest this week

Message-ID: <CAB55hNfzxB4yHHBRRSJmj6-obZvrU=iJ7XsjDa15GWJ=rsvLpA@mail.gmail.com>

The Shelby NC hamfest is perhaps the 2nd largest in the US

<http://www.shelbyhamfest.com/>

A bunch of the Boatanchors gang will be setting up in the flea market area at the location marked in red here - look for our traditional yellow

"Boatanchors!" banner

<http://www.virhistory.com/ham/shelby-map-15.jpg>

Some of us will be there Thurs noon to Saturday noon, some others arriving Friday and staying through Sunday. I'm looking forward to swapping vintage gear (and vintage lies) at the fest.

I'll be trying to sell a ton of parts and tools, plus some BA ham gear. Looking for Navy radio equipment and model 28 teletype stuff.

Hope to see you there!

Nick England K4NYW

www.navy-radio.com

From 1oldlens1 at ix.netcom.com Mon Aug 31 15:45:21 2015

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Mon, 31 Aug 2015 12:45:21 -0700

Subject: [BoatAnchors] Dumont 403A Scope

In-Reply-To: <55E34AA8.7050208@ix.netcom.com>

References: <55E34AA8.7050208@ix.netcom.com>

Message-ID: <55E4AED1.7030400@ix.netcom.com>

Further on. Evidently there were at least two versions of the 304-A. One is shown in the handbook at BAMA and is what I have. The handbook does not have a schematic. The schematic which is in the BAMA file is almost but not quite the same. My scope has a couple of 6AL5 diodes in it and a ballast tube current regulator. One of the dual diodes seems to be the clipper for the calibrator and the other a clipper or limiter for the synch level. The earlier (?) version in the schematic does not have the calibrator but has a line frequency calibrator jack on the front panel, a signal dropped off the filament line. I would like to find a correct schematic but have had not luck finding one with a web search. I wonder if anyone has it or knows where to find it.

My scope, after working pretty well for a while, has developed a problem which I am now trying to track down. The spot is pulled way off the screen, to the right I think. I have not yet performed the resistance and voltage checks. I checked all the tubes yesterday and found a couple of 12AU7A s that are not balanced but I don't think this is the problem because it started suddenly. I will continue to work on this thing and will post back if I either find the problem or need help.

Somewhere in the blogs I went through when searching I found someone asking about the power transformer. The one in mine is quite large and appears to be potted. In fact, its overall a very ruggedly built instrument.

On 8/30/2015 11:25 AM, Richard Knoppow via BoatAnchors wrote:

> I came home with a Dumont 403-A oscillograph (that's what Dumont
> called them) from the TRW swap meet yesterday. I paid a token price
> for it, \$10. After some tweeking and checking I found it works. It
> does not appear to have had any attention since it was built. There
> are some definite signs that the capacitors need to be replaced, as
> would be expected in something over sixty years old. The main symptom
> is that the horizontal amplifier is non-linear which, of course, makes
> the sweep non-linear too. This scope was evidently built about the
> mid 1950s, a good ten years after Tektronix began building rather more
> sophisticated scopes, but it has a triggered sweep. It is very heavy
> compared to my non-working Heathkit O-12. BTW, I need a power
> transformer for the O-12. If anyone has one please contact me. Mine

> worked when I first took it out of storage but after a while the
> transformer developed a short in the medium high voltage winding. Not
> from bad filter caps, something else happened to it. Long storage is
> not good for this stuff.
> I would be nice to hear from anyone else who has either of these
> scopes, especially the Dumont.
>

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From dave at horsfall.org Mon Aug 31 18:16:56 2015
From: dave at horsfall.org (Dave Horsfall)
Date: Tue, 1 Sep 2015 08:16:56 +1000 (EST)
Subject: [BoatAnchors] Second Generation BAs?
In-Reply-To: <C010F130F58447A3994638783FA3D3B2@KB6NAX>
References: <65F31537-465C-46AD-84E2-E5CBDB6B70C1@gmail.com>
<05C838662852448584EA3AFDDC2D0267@KB6NAX>
<2F5189CE-5997-43BC-9D9D-D249C37436BF@gmail.com>
<C010F130F58447A3994638783FA3D3B2@KB6NAX>
Message-ID: <alpine.BSF.2.11.1509010804580.64926@aneurin.horsfall.org>

On Sun, 30 Aug 2015, Arden Allen via BoatAnchors wrote:

> Germanium transistors going flakey gives headaches so a transistor
> tester that measures current gain (beta) and leakage not only confirms
> failing parts but also screens replacement candidates. Silicon types
> rarely have leakage issues and when bad are usually dead shorted or open
> circuited.

I used to annoy my ex-wife about the germaniums that she grew in the
garden. Oh, and look at those pretty silicones, too!

Ah, when TTL finally appeared...

--

Dave Horsfall DTM (VK2KFU) "Those who don't understand security will suffer."
Concerned about shark attacks? Then don't go swimming in their food bowl...